

# **FEDERAL ITEM IDENTIFICATION GUIDE**

## **ALARM AND SIGNAL SYSTEM**

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The use of this publication is mandatory for US. Federal Activities participating in Federal Catalog System Operations.

BY ORDER OF THE DIRECTOR

/s/

Commander

Defense Logistics Information Service

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## GENERAL INFORMATION

### 1. Purpose and Scope

This Federal Item Identification Guide (FIIG) is a self-contained document for the collection, coding, transmittal, and retrieval of item characteristics and related supply management data for an item of supply for logistical use. This FIIG is to be used to describe items of supply identified by the index of approved item names appearing in this section.

### 2. Contents

This FIIG is comprised of the following:

- Index of Approved Item Names Covered by this FIIG
- Applicability Key Index
- Section I - Item Characteristics Data Requirements
- Section III - New text that should be here.
- Appendix A - Reply Tables
- Appendix B - Reference Drawing Groups (as applicable)
- Appendix C - Technical Data Tables (as applicable)

#### a. Index of Approved Item Names Covered by this FIIG:

The index lists the approved item names with definitions and item name codes as they appear in Cataloging Handbook H6, applicable to this FIIG. In addition, each name entry is assigned an applicability key for use in relating the characteristics requirements in Section I to the specific item name.

#### b. Applicability Key Index:

The purpose of this index is to provide the user with a ready reference for determining the specific requirements which are applicable to a given approved item name. This index lists all requirements in sequence as they appear in the FIIG. The applicability of a Master Requirement Coded requirement is indicated by the column headed by the specific item name applicability key as follows:

(1) The letter "X" indicates the requirement must be answered for a full descriptive item.

(2) The letters "AR" indicate the requirement is to be answered as required by (1) instructional notes within the FIIG; (2) when the reply is predicated on replies to a related main requirement; or (3) when an asterisk (\*) is used in conjunction with the applicability key column in Section I.

(3) A blank in the column indicates the requirement is not applicable to the specific item name.

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### c. Section I - Item Characteristics Data Requirements:

This section contains the physical and performance characteristics requirements needed to describe and identify an item of supply. These characteristics differentiate one item from all other items of supply and are to be used to meet the needs of all supported functions. This section is arranged in columns. Identification of each column and instructions pertinent thereto are as follows:

#### (1) Applicability Key:

The first column shows the applicability key(s) for each requirement. It indicates whether the requirement need be satisfied for the item being identified. "ALL" indicates that the requirement must be answered for all items covered by the FIIG. One or more alphabetic character(s) or group of one or more alphabetic characters indicates a response is required when describing items with an approved item name or names represented by the key(s). An asterisk (\*) used in conjunction with any applicability key indicates that the characteristic stated in the requirement may not be applicable to all items covered by the FIIG.

#### (2) Master Requirement Codes (MRC):

A four-position code which is assigned to a FIIG requirement for identification of the requirement, cross-referencing requirements in the various sections and appendices of the FIIG, and for mechanized processing and retrieval of FIIG generated data. Absence of a MRC for a requirement indicates a lead-in to requirements with individual MRCs in Appendix B.

(a) The coding technique for providing MULTIPLE/OPTIONAL responses will not be used for a Section I requirement assigned Mode Code A or L that leads to Appendix B sketches with dimensional requirements.

#### (b) Identified Secondary Address Coding:

This technique is for extending the Master Requirement Code so that a unique address is provided for each application of the requirement in relation to the item and is authorized only as instructed within the requirement. Responses coded through this technique will always consist of the following: (1) Master Requirement Codes, (2) indicator code (a single numeric character determined by the number of positions contained), (3) identified secondary address code (1 to 3-digit alphabetic codes determined by the number of predicted replies), (4) the mode code, (5) the reply code and/or clear text response, and (6) end with a record separator (\*). Steps (1) through (6) are repeated for each application of the requirement.

#### (c) AND/OR coding:

A technique for extending the Master Requirement Code to provide a distinctive address for multiple responses to the same requirement. Responses coded through this technique will always consist of (1) Master Requirement Code, (2) mode code, (3) the response or reply code (as instructed by the requirement), (4) a single dollar sign (\$) for an OR condition, or a double dollar sign (\$\$) for an AND condition, (5) the mode code, (6) the response or reply code

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(followed by conditions (4) through (6) for each of the multiple responses) and (7) end with a record separator (\*). NOTE: Apply this technique only when instructed by the requirement sample reply (e.g.).

### (3) Mode Code:

A one-position alphabetic code that specifies the manner in which a response will be prepared. Each requirement assigned a MRC is also assigned a mode code. Sample replies follow each FIIG requirement displaying the proper construction of a response for the assigned mode code. The response to a requirement will always be prepared in accordance with the assigned mode code and sample reply except in the following instances:

(a) Use of E Mode Code replies is not authorized. If a reply needed to describe an item is not listed in the applicable table, contact the FIIG Initiator.

(b) Mode Code K may not be used for any requirement unless instructed by the requirement instructions.

### (4) Requirement:

This portion includes the characteristics data elements and data use identifiers required to identify and differentiate one item of supply from another, narrative definitions, and explanations as to use and method of expression. Instructions for coding and preparing replies are also provided.

### (5) Reply Code:

A code that represents an established authorized reply to a requirement.

#### d. Section III - Supplementary Technical and Supply Management Data:

This section includes those characteristics requirements necessary to support specific logistics functions other than National Stock Number assignment.

#### e. Appendix A - Reply Tables:

Tables of authorized replies to requirements and reply codes when the tables are too lengthy for inclusion in Section I/III, when applicable.

#### f. Appendix B - Reference Drawings:

This appendix contains representative illustrations which portray specific variations of one or more generic characteristics. If reference drawings contain requirements pages to be used in conjunction with illustrations for dimensioning purposes, the requirements pages will contain Master Requirement Codes, mode codes, and a statement of the requirement. A response to requirements on a requirements page is necessary only for those Master Requirement Codes applicable to the illustration selected.

#### g. Appendix C - Technical Data Tables:

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This appendix contains conversion charts and similar data pertinent to the requirements in Section I/III, when applicable.

3. Enter administrative MRC CLQL immediately following the last FIIG requirement reply, as instructed below:

<u>MRC</u>	<u>Mode Code</u>	<u>Requirement</u>	<u>Example</u>
CLQL	G	COLLOQUIAL NAME (common usage name by which an item is known)	CLQLGWOVEN WIRE CLOTH*

### 4. Special Instructions and Indicator Definitions

#### a. Measurements:

Unless otherwise indicated within a requirement example, enter all measurements in decimal form, carried to the nearest three decimal places, with a minimum of one digit preceding the decimal. For SI (metric), enter all measurements with a minimum of one digit before and after the decimal. For fraction to decimal conversion, see Appendix C.

#### b. Indicators:

A cross hatch (#) following an AIN, MRC, Reply Code or Drawing Number indicates for "ALL EXCEPT USA" use only.

### 5. Indexes

#### a. Index of Data Requirements

This index is arranged in alphabetic sequence by Master Requirement Code, cross-referenced to the applicable data requirement and page number(s).

#### b. Index of Approved Item Names

This index is arranged in alphabetic sequence referenced to Applicability Key.

#### c. Applicability Key Index

This index is arranged in Applicability Key Sequence.

### 6. Maintenance

Requests for revisions and other changes will be directed to:

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[Page Break]



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<u>Approved Item Name</u>	<u>INC</u>	<u>App Key</u>
ALARM, AUDIBLE-VISUAL	49541	AB
An electrical item which may be part of or coupled to equipment to give automatic audible and visual warning of failure of the equipment or of receipt of a signal. Excludes ALARM-MONITOR.		
ALARM, BACK-UP, VEHICLE	39403	DB
An automatic warning device which gives an audible signal when equipment is moving backward. Excludes HORN, ELECTRICAL.		
ALARM, BLOWN FUSE	02030	AB
An automatic warning device which gives an audible indication when a fuse(s) blows in associated equipment. It may also provide for visual indication. See also INDICATOR, BLOWN FUSE.		
ALARM-MONITOR	20435	BA
An item which performs the dual function of presenting operational information from other components or sets, and provides an alerting signal upon departure from normal operating conditions.		
ALARM, OVER RADIATION	02031	AB
An electrical warning unit specifically designed to give an aural and/or visual indication when a predetermined level of radioactivity has been reached. It either contains a sensitive element(s) or accepts information from an external source. It contains a warning device, such as a bell, buzzer, horn, siren or light.		
ALARM SET, PERSONNEL HAZARD	38133	AB
A complete electrical warning unit designed to provide an aural and/or visual signal of an imminent threat to personnel safety within a predefined area. The unit is actuated from a central control station or by automatic sequencing, but does not provide sensing or detection capability. It may contain warning devices such as bells, buzzers, horns, sirens and/or lights. Excludes ALARM, OVER RADIATION.		
ALARM SET, PILOT WARNING	38629	AB
A complete electrical warning unit designed to provide an aural message/warning through pilot's earphones and/or a visual message on a pilot's heads-up visor display that indicates unsafe aircraft conditions such as altitude, fire, canopy, pressurization, engine and/or rotor rpms and the like. The item does not provide for bells, buzzers, horns and sirens, however visual lights in the visor displays and audio signals in the headsets are produced. Excludes ALARM SET, PERSONNEL HAZARD.		

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<u>Approved Item Name</u>	<u>INC</u>	<u>App Key</u>
ALARM, SMOKE, AUTOMATIC	35725	AB
A electrical operated device which detects the presence of smoke and sounds an alarm, and/or lights a warning light of distinctive color when the concentration reaches a dangerous level. Excludes ALARM, GAS, AUTOMATIC.		
ALARM, UNDERVOLTAGE	02032	AB
An automatic electrical warning system specifically designed to give an aural and/or visual indication when the voltage in an item or equipment falls below a specified value. It contains the sensitive elements and a calling device such as a bell, buzzer, horn, siren, or light.		
ANNUNCIATOR	00133	AA
A signaling apparatus which operates electromagnetically and serves to indicate visually, or visually and audibly, whether a current is flowing, has flowed, or has changed direction of flow in one or more circuits. It is usually employed in connection with alarms, electric bells, or buzzers. See also ALARM (modified).		
BELL AND BUZZER, ELECTRICAL	00192	CA
An item combining into a single unit the features of an electrical bell and buzzer.		
BELL, ELECTRICAL	00191	CA
An item having one or more electrically actuated clappers or plungers and one or more metallic objects which are capable of producing a ringing sound when struck. Resonating chambers may be included. Excludes RINGER, TELEPHONE.		
BELL, SHIP'S	09211	CB
A hollow metallic object, usually acorn shaped and having a flared-out bottom, which produces a ringing sound when struck by means of a hand-operated metal clapper located inside the bell body.		
BUZZER	14633	CC
An item consisting of an electromagnetic or electronic device operating with an armature or according to the piezoelectric effect, or the like. Includes buzzers for testing and signaling purposes.		
DETECTION SYSTEM, WEAPON FIRING	68135	AB
An acoustic system which allows automatic detection and localization of various caliber gunshots. This item is coupled with a threat visualization system which processes azimuth and elevation data to rotate and tilt cameras fixed on the turret in the proper direction in order to provide, in real time, a picture of the threat's point of origin.		
DETECTOR, HEAT	39625	AB
A device designed to open or close an electrical circuit upon a pre-set ambient temperature fluctuation. Excludes ALARM, SMOKE, AUTOMATIC.		
DUMMY TRANSMITTER, SHIP'S COURSE	14636	GA



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<u>Approved Item Name</u>	<u>INC</u>	<u>App Key</u>
DUMMY TRANSMITTER, SHIP'S DISTANCE	14637	GA
DUMMY TRANSMITTER, SHIP'S SPEED	14638	GA
HORN, ELECTRICAL #	00139	DA
A device which, by means of vibrating a diaphragm, converts electrical energy into directed sound energy of a frequency which is characteristic of the driver.		
HORN, FLUID OPERATED #	12940	EA
A fluid operated device designed to produce audible signals by means of a vibrating diaphragm. It may have one or more sound units with projector(s) to direct the sound.		
HORN, SIGNAL	42662	EB
A device designed to convert energy into audible signals by means of a diaphragm or specially designed horn element. Sound may be produced by liquid, electro-mechanical device or pressure means.		
PANEL, FAULT-FUNCTION INDICATOR AIRCRAFT	61981	AA
An item located within an aircraft specifically designed to indicate, by means of lights, the components in which a malfunction has occurred. This item does not make quantitative or qualitative test as provided by test sets.		
Siren		
1. A device which produces sound by the rapid interruption of a current of air, steam, or any other fluid by a rotating, perforated part. The pitch may be variable and varies with rate of the interruption.		
SIREN (1), ELECTRIC MOTOR OPERATED	00140	FA
STATION, FIRE ALARM, MANUAL	39554	DA
An item designed to provide a manual capability for activating a fire alarm.		
Transmitter		
2. An item which generates and transmits shipboard operational information or orders.		
TRANSMITTER, BOW PLANE RIGGING	14639	GA
TRANSMITTER, COURSE-STEERING, ORDER	14640	GA
TRANSMITTER, DIVING PLANE ANGLE	14641	GA

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TRANSMITTER, ENGINE ORDER	14642	GA
TRANSMITTER, GOVERNOR SETTING	14643	GA
TRANSMITTER, LANDING GEAR ANGLE	67661	GA
TRANSMITTER, PROPELLER ORDER	14644	GA
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TRANSMITTER, RUDDER ANGLE	14647	GA
TRANSMITTER, RUDDER ORDER	14648	GA
TRANSMITTER, SHIP'S COURSE	14649	GA
TRANSMITTER, SHIP'S DISTANCE	14650	GA
TRANSMITTER (2), SHIP'S DRAFT	14651	GA

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	<u>AA</u>	<u>AB</u>
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AQEM	X	
AQBW	AR	AR
AQEN	AR	AR
AQEP		AR
MARK	AR	AR
APZS	AR	
ACDC		X
ELEC	X	X
ACZB	AR	AR
FAAZ	AR	AR
AAXX	AR	
MATL	AR	AR
SURF	AR	AR
ABHP	AR	AR
ADAV	AR	AR
ABMK	AR	AR
ABKW	AR	AR
ABFY	AR	AR
AQEQ	X	
AQER	AR	
AQET	AR	
AQES	AR	
AQEW	AR	
AQEX	AR	
ALGC	AR	
FEAT	AR	AR
TEST	AR	AR
SPCL	AR	AR
ZZZK	AR	AR
ZZZT	AR	AR
ZZZW	AR	AR
ZZZX	AR	AR
ZZZY	AR	AR
CRTL	AR	AR
PRPY	AR	AR
ELRN	AR	AR
NHCF	AR	AR
ELCD	AR	AR
AGAV	AR	AR
ALCD	AR	AR
AFJK	AR	AR
PRMT	AR	AR
PMWT	AR	AR
PMLC	AR	AR
SUPP	AR	AR
FCLS	AR	AR
FTLD	AR	AR

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RDAL	AR	AR
NTRD	AR	AR
ZZZP	AR	AR
ZZZV	AR	AR
CXCY	AR	AR

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BA

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AQEY	X
AQEZ	X
AKWC	AR
ACYN	AR
ACZB	AR
FAAZ	AR
ACYR	AR
ALSF	AR
ABHP	AR
ABKW	AR
ABMK	AR
ADAV	AR
ABFY	AR
AKWA	AR
AKWB	AR
FEAT	AR
TEST	AR
SPCL	AR
ZZZK	AR
ZZZT	AR
ZZZW	AR
ZZZX	AR
ZZZY	AR
CRTL	AR
PRPY	AR
ELRN	AR
NHCF	AR
ELCD	AR
AGAV	AR
ALCD	AR
AFJK	AR
PRMT	AR
PMWT	AR
PMLC	AR
SUPP	AR
FCLS	AR
FTLD	AR
TMDN	AR
RTSE	AR
RDAL	AR
NTRD	AR
ZZZP	AR
ZZZV	AR
CXCY	AR

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	<u>CA</u>	<u>CB</u>	<u>CC</u>
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ACDC	X		X
ELEC	AR		AR
ACZB	AR		AR
AMPS	AR		AR
AARB	AR		AR
AMWM	AR		AR
AQFA	X		
NMBR	AR		
APGF	AR		
AQFB	AR		
AQFC	AR		
AQFD	AR		
AQFE	AR		
AQFF	X		
AQFK	AR		AR
APBQ	X		X
MATL	AR		AR
SURF	AR		AR
ABHP	AR	AR	AR
ABKW	AR	AR	AR
ABMK	AR	AR	AR
ADAV	AR	AR	AR
AQFG		AR	
WGHT		AR	
APTZ		X	
ADZC			AR
ADJH	X	X	X
ABTJ	AR	AR	AR
ABTB	AR	AR	AR
ABTH	AR	AR	AR
AQFH		X	
SHPE		AR	
AQFJ		AR	
FEAT	AR	AR	AR
TEST	AR	AR	AR
SPCL	AR	AR	AR
ZZZK	AR	AR	AR
ZZZT	AR	AR	AR
ZZZW	AR	AR	AR
ZZZX	AR	AR	AR
ZZZY	AR	AR	AR
CRTL	AR	AR	AR
PRPY	AR	AR	AR
ELRN	AR	AR	AR
NHCF	AR	AR	AR
ELCD	AR	AR	AR
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ALCD	AR	AR	AR
AFJK	AR	AR	AR
PRMT	AR	AR	AR
PMWT	AR	AR	AR
PMLC	AR	AR	AR

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FCLS	AR	AR	AR
FTLD	AR	AR	AR
TMDN	AR	AR	AR
RTSE	AR	AR	AR
RDAL	AR	AR	AR
NTRD	AR	AR	AR
ZZZP	AR	AR	AR
ZZZV	AR	AR	AR
CXCY	AR	AR	AR

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NAME	X	X
CMMJ		X
AFGA		AR
AKWC	AR	AR
ACYN	AR	AR
ACZB	AR	AR
FAAZ	AR	AR
ACYR	AR	AR
ALSF	AR	AR
AQFK	AR	AR
AQFL	X	X
ARCJ	AR	AR
ADVR	AR	AR
AQFM	X	X
ABHP	AR	AR
ADAV	AR	AR
ABMK	AR	AR
ABKW	AR	AR
AARA	AR	AR
AARB	AR	AR
AHBY	AR	AR
AQFN	X	X
ADAE	AR	AR
AAUB	AR	AR
ALFN	AR	AR
AGRJ	AR	AR
ALBJ	AR	AR
AJLF	X	X
SURF	AR	AR
CXKR		X
ANPZ	AR	AR
ADZC	AR	AR
FEAT	AR	AR
TEST	AR	AR
SPCL	AR	AR
ZZZK	AR	AR
ZZZT	AR	AR
ZZZW	AR	AR
ZZZX	AR	AR
ZZZY	AR	AR
CRTL	AR	AR
PRPY	AR	AR
ELRN	AR	AR
NHCF	AR	AR
ELCD	AR	AR
AGAV	AR	AR
ALCD	AR	AR
AFJK	AR	AR
PRMT	AR	AR
PMWT	AR	AR
PMLC	AR	AR
SUPP	AR	AR
FCLS	AR	AR



FIIG T104  
GENERAL INFORMATION  
APPLICABILITY KEY INDEX

FTLD	AR	AR
TMDN	AR	AR
RTSE	AR	AR
RDAL	AR	AR
NTRD	AR	AR
ZZZP	AR	AR
ZZZV	AR	AR
CXCY	AR	AR

FIIG T104  
GENERAL INFORMATION  
APPLICABILITY KEY INDEX

	<u>EA</u>	<u>EB</u>
NAME	X	X
APHE	X	X
AEVK	X	AR
AQKY	X	X
NMBR	AR	AR
AQKZ	AR	AR
AQLA	X	X
AQLB	X	X
AQLC	AR	AR
AQLD	X	AR
AQLK	X	X
AAXX	X	X
ABTJ	AR	
ABKG	AR	
AQLF	AR	
AQLG	AR	
AAYW	AR	AR
AQLH	AR	AR
AQLJ	AR	AR
AQLR	X	
AQLL	AR	
AQLM	AR	
AQLN	AR	
ACDC	AR	AR
ELEC	AR	AR
FREQ	AR	AR
AMPS	AR	AR
FAAZ		AR
ALSF		X
AFGA		X
AQFK		X
AQFL		X
ARCJ		AR
ADVR		AR
AQFM		AR
AARA		AR
AARB		AR
AHBY		AR
AQFN		X
ADAE		AR
AAUB	AR	AR
ALFN		AR
AGRJ		AR
ALBJ		AR
AJLF		X
ANPZ		AR
AQLP	X	
AQLQ	AR	
AMSE	AR	
SURF	AR	AR
HUES	AR	AR
ABHP	AR	AR
ADAV	AR	AR

FIIG T104  
GENERAL INFORMATION  
APPLICABILITY KEY INDEX

ABMK	AR	AR
ABKW	AR	AR
ADZC		AR
FEAT	AR	AR
TEST	AR	AR
SPCL	AR	AR
ZZZK	AR	AR
ZZZT	AR	AR
ZZZW	AR	AR
ZZZX	AR	AR
ZZZY	AR	AR
CRTL	AR	AR
PRPY	AR	AR
ELRN	AR	AR
NHCF	AR	AR
ELCD	AR	AR
AGAV	AR	AR
ALCD	AR	AR
AFJK	AR	AR
PRMT	AR	AR
PMWT	AR	AR
PMLC	AR	AR
SUPP	AR	AR
FCLS	AR	AR
FTLD	AR	AR
TMDN	AR	AR
RTSE	AR	AR
RDAL	AR	AR
NTRD	AR	AR
ZZZP	AR	AR
ZZZV	AR	AR
CXCY	AR	AR

FIIG T104  
GENERAL INFORMATION  
APPLICABILITY KEY INDEX

FA

NAME	X
AMPJ	X
ACDC	AR
ELEC	AR
ACZB	AR
FAAZ	AR
AHZX	AR
AEQC	AR
ABJL	AR
AARA	AR
AARB	AR
AQLS	X
AQLT	X
AQLW	AR
AEYM	AR
AQLX	X
ANNQ	AR
ANNR	AR
ABFY	AR
ABHP	AR
ABMK	AR
ADAV	AR
ABKW	AR
ADJH	AR
ALGC	AR
ANPZ	AR
FEAT	AR
TEST	AR
SPCL	AR
ZZZK	AR
ZZZT	AR
ZZZW	AR
ZZZX	AR
ZZZY	AR
CRTL	AR
PRPY	AR
ELRN	AR
NHCF	AR
ELCD	AR
AGAV	AR
ALCD	AR
AFJK	AR
PRMT	AR
PMWT	AR
PMLC	AR
SUPP	AR
FCLS	AR
FTLD	AR
TMDN	AR
RTSE	AR
RDAL	AR
NTRD	AR
ZZZP	AR

FIG T104  
GENERAL INFORMATION  
APPLICABILITY KEY INDEX

ZZZV	AR
CXCX	AR

FIIG T104  
GENERAL INFORMATION  
APPLICABILITY KEY INDEX

GA

NAME	X
ACDC	AR
ELEC	AR
FREQ	AR
FAAZ	AR
ADJH	AR
AQKC	AR
ABWC	AR
AXPJ	AR
AQLY	AR
AQLZ	AR
AQMA	AR
AQMB	AR
AQMC	AR
AQQA	X
HUES	AR
AQQB	AR
AQLW	AR
AFLW	X
APCM	AR
AQMD	AR
ABFY	AR
ABHP	AR
ADUM	AR
ABKW	AR
ABMK	AR
ADAV	AR
FEAT	AR
TEST	AR
SPCL	AR
ZZZK	AR
ZZZT	AR
ZZZW	AR
ZZZX	AR
ZZZY	AR
CRTL	AR
PRPY	AR
ELRN	AR
NHCF	AR
ELCD	AR
AGAV	AR
ALCD	AR
AFJK	AR
PRMT	AR
PMWT	AR
PMLC	AR
SUPP	AR
FCLS	AR
FTLD	AR
TMDN	AR
RTSE	AR
RDAL	AR
NTRD	AR

FIIG T104  
GENERAL INFORMATION  
APPLICABILITY KEY INDEX

ZZZP	AR
ZZZV	AR
CXCY	AR

FIIG T104  
GENERAL INFORMATION  
APPLICABILITY KEY INDEX

[Page Break]



## Body

### SECTION: A

APP

Key	MRC	Mode Code	Requirements
-----	-----	-----------	--------------

ALL

NAME	D	ITEM NAME
------	---	-----------

Definition: A NOUN, WITH OR WITHOUT MODIFIERS, BY WHICH AN ITEM OF SUPPLY IS KNOWN.

Reply Instructions: Enter the applicable Item Name Code from the index appearing in the General Information Section. (e.g., NAMED02030\*)

AA

AQEM	A	SIGNAL DEVICE QUANTITY
------	---	------------------------

Definition: THE NUMBER OF SIGNALLING DEVICES PROVIDED.

Reply Instructions: Enter the quantity. (e.g., AQEMA4\*)

AA\*, AB\*

AQBW	D	AUDIBLE SIGNAL TYPE
------	---	---------------------

Definition: INDICATES THE TYPE OF DEVICE THAT PROVIDES AN AUDIBLE SIGNAL.

Reply Instructions: Enter the applicable Reply Code from the table below. (e.g., AQBWDADN\*)

<u>REPLY CODE</u>	<u>REPLY (AJ12)</u>
A	ANY ACCEPTABLE
ADN	BELL
ABC	BUZZER
ADP	HORN

AA\*, AB\*

AQEN	D	VISUAL SIGNAL TYPE
------	---	--------------------

FIIG T  
Section Parts

APP			
Key	MRC	Mode Code	Requirements

---

Definition: INDICATES THE TYPE OF SIGNALLING DEVICE THAT PROVIDES A VISUAL SIGNAL.

Reply Instructions: Enter the applicable Reply Code from the table below. (e.g., AQENDBH\*)

<u>REPLY CODE</u>	<u>REPLY (AJ52)</u>
A	ANY ACCEPTABLE
BH	DROP FLAG
BJ	DRUM
BK	LAMP
BL	MOVING ARROW
BM	PLUNGER
AG	REGULAR FLASHING

NOTE FOR MRC AQEP: FOR APPLICABILITY KEY AB, REPLY TO THIS MRC IF A REPLY IS ENTERED FOR MRC AQEN.

AB\* (See Note Above)

AQEP	D	VISUAL SIGNAL COLOR
------	---	---------------------

Definition: A CHARACTERISTIC OF LIGHT, APPLICABLE TO THE VISUAL SIGNAL, THAT CAN BE SPECIFIED IN TERMS OF LUMINANCE, DOMINANT WAVELENGTH, AND PURITY.

Reply Instructions: Enter the applicable Reply Code from the table below. (e.g., AQEPDRE0000\*; AQEPDBL0000\$SDWH0000\*; AQEPDBL0000\$DWH0000\*)

<u>REPLY CODE</u>	<u>REPLY (AD06)</u>
BL0000	BLACK
BU0000	BLUE
GR0000	GREEN
RG0000	ORANGE
RE0000	RED
VL0000	VIOLET
WH0000	WHITE
YE0000	YELLOW

AA\*, AB\*

MARK	G	SPECIAL MARKINGS
------	---	------------------

FIIG T  
Section Parts

APP	Key	MRC	Mode Code	Requirements
-----	-----	-----	-----------	--------------

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Definition: MARKINGS INCLUDED ON AN ITEM FOR THE PURPOSE OF OFFERING INSTRUCTIONS OR WARNINGS OR TO INDICATE THE PURPOSE, FUNCTION, OR APPLICATION OF THE ITEM. EXCLUDES MANUFACTURERS PARTS NUMBERS, SYMBOLS, OR THE LIKE.

Reply Instructions: Enter the reply in clear text. (e.g., MARKGNONSTOP\*)

AA\*

APZS	D	RESET TYPE
------	---	------------

Definition: INDICATES THE TYPE OF RESET PROVIDED.

Reply Instructions: Enter the applicable Reply Code from the table below. (e.g., APZSDCQ\*)

<u>REPLY CODE</u>	<u>REPLY (AC58)</u>
A	ANY ACCEPTABLE
CQ	ELECTRIC
CH	ELECTROMECHANICAL
CF	MANUAL

ALL

CSBH	J	VOLTAGE IN VOLTS AND CURRENT TYPE
------	---	-----------------------------------

Definition: THE TOTAL ELECTRICAL VOLTAGE, EXPRESSED IN VOLTS, AND THE TYPE OF CURRENT, WHETHER ALTERNATING OR DIRECT.

Reply Instructions: Enter the applicable Reply Code from the table below. (e.g., CSBHJAC120.0\*; CSBHJAC110.0\$\$JDC24.0\*)

<u>REPLY CODE</u>	<u>REPLY (AN87)</u>
AC	AC
DC	DC

AA\*, AB\*

ACZB	J	FREQUENCY RATING
------	---	------------------

Definition: THE NUMBER OF COMPLETE CYCLIC CHANGES, PER UNIT OF TIME, FOR WHICH AN ITEM IS RATED.

FIIG T  
Section Parts

APP	MRC	Mode Code	Requirements
Key			

---

Reply Instructions: Enter the applicable Reply Codes from Tables 1 and 2 below, followed by the numeric value. (e.g., ACZBJEA60.0\*; ACZBJEB50.0\$\$JEC60.0\*)

Table 1

REPLY CODE

G  
E  
K  
M

REPLY (AC32)

GIGAHERTZ  
HERTZ  
KILOHERTZ  
MEGAHERTZ

Table 2

REPLY CODE

A  
B  
C

REPLY (AC20)

NOMINAL  
MINIMUM  
MAXIMUM

AA\*, AB\*

FAAZ	D	PHASE
------	---	-------

Definition: THE NUMBER OF ALTERNATING CURRENT PHASES.

Reply Instructions: Enter the applicable Reply Code from the table below. (e.g., FAAZDB\*; FAAZDA\$\$DC\*)

REPLY CODE

A  
C  
B

REPLY (AD02)

SINGLE  
THREE  
TWO

AA\*

AAXX	D	MOUNTING TYPE
------	---	---------------

Definition: INDICATES THE TYPE OF MOUNT UTILIZED TO SUPPORT THE ITEM.

Reply Instructions: Enter the applicable Reply Code from the table below. (e.g., AAXXDCH\*)

REPLY CODE

A  
CH

REPLY (AA78)

ANY ACCEPTABLE  
CASE

FIIG T  
Section Parts

APP Key	MRC	Mode Code	Requirements
	CJ		PANEL

AA\*, AB\*

MATL                      D                      MATERIAL

Definition: THE ELEMENT, COMPOUND, OR MIXTURE OF WHICH AN ITEM IS FABRICATED, EXCLUDING ANY SURFACE TREATMENT.

Reply Instructions: Enter the applicable Reply Code from [Appendix A](#), Table 2. (e.g., MATLDBR0000\*; MATLDBR0000\$SDNF0000\*; MATLDME000\$DPC0000\*)

AA\*, AB\*

SURF                      D                      SURFACE TREATMENT

Definition: CONSISTS OF PLATING, DIP, AND/OR COATING THAT CANNOT BE WIPED OFF. PLATING AND/OR COATING IS ANY CHEMICAL AND/OR METALLIC ADDITIVE, ELECTROCHEMICAL, OR MILD MECHANICAL PROCESS WHICH PROTECTS A SURFACE.

Reply Instructions: Enter the applicable Reply Code from [Appendix A](#), Table 1. (e.g., SURFDALC000\*; SURFDCN0000\$SDENW000\*; SURFDEN0000\$DPN0000\*)

AA\*, AB\*

ABHP                      J                      OVERALL LENGTH

Definition: THE DIMENSION MEASURED ALONG THE LONGITUDINAL AXIS WITH TERMINATED POINTS AT THE EXTREME ENDS OF THE ITEM.

Reply Instructions: Enter the applicable Reply Codes from Tables 1 and 2 below, followed by the numeric value. (e.g., ABHPJAA1.000\*; ABHPJLA25.4\*; ABHPJAB2.495\$\$JAC2.503\*)

Table 1

REPLY CODE

A  
L

REPLY (AA05)

INCHES  
MILLIMETERS

Table 2

REPLY CODE

A  
B  
C

REPLY (AC20)

NOMINAL  
MINIMUM  
MAXIMUM

FIIG T  
Section Parts

APP Key	MRC	Mode Code	Requirements
------------	-----	-----------	--------------

---

AA\*, AB\*

ADAV	J	OVERALL DIAMETER
------	---	------------------

Definition: A MEASUREMENT OF THE LONGEST STRAIGHT LINE ACROSS A CIRCULAR CROSS-SECTIONAL PLANE.

Reply Instructions: Enter the applicable Reply Codes from Tables 1 and 2 below, followed by the numeric value. (e.g., ADAVJAA1.000\*; ADAVJLA25.4\*; ADAVJAB2.495\$\$JAC2.503\*)

Table 1

REPLY CODE

A

L

REPLY (AA05)

INCHES

MILLIMETERS

Table 2

REPLY CODE

A

B

C

REPLY (AC20)

NOMINAL

MINIMUM

MAXIMUM

AA\*, AB\*

ABMK	J	OVERALL WIDTH
------	---	---------------

Definition: AN OVERALL MEASUREMENT TAKEN AT RIGHT ANGLES TO THE LENGTH OF AN ITEM, IN DISTINCTION FROM THICKNESS.

Reply Instructions: Enter the applicable Reply Codes from Tables 1 and 2 below, followed by the numeric value. (e.g., ABMKJAA1.000\*; ABMKJLA25.4\*; ABMKJAB2.495\$\$JAC2.503\*)

Table 1

REPLY CODE

A

L

REPLY (AA05)

INCHES

MILLIMETERS

Table 2

REPLY CODE

A

B

C

REPLY (AC20)

NOMINAL

MINIMUM

MAXIMUM

FIIG T  
Section Parts

APP									
Key	MRC		Mode Code						Requirements

---

AA\*, AB\*

ABKW                      J                      OVERALL HEIGHT

Definition: THE DISTANCE MEASURED IN A STRAIGHT LINE FROM THE BOTTOM TO THE TOP OF AN ITEM.

Reply Instructions: Enter the applicable Reply Codes from Tables 1 and 2 below, followed by the numeric value. (e.g., ABKWJAA1.000\*; ABKWJLA25.4\*; ABKWJAB2.495\$\$JAC2.503\*)

Table 1

REPLY CODE

A

L

REPLY (AA05)

INCHES

MILLIMETERS

Table 2

REPLY CODE

A

B

C

REPLY (AC20)

NOMINAL

MINIMUM

MAXIMUM

AA\*, AB\*

ABFY                      J                      OVERALL DEPTH

Definition: AN OVERALL MEASUREMENT BETWEEN SPECIFIED POINTS OF AN ITEM, IN DISTINCTION FROM HEIGHT.

Reply Instructions: Enter the applicable Reply Codes from Tables 1 and 2 below, followed by the numeric value. (e.g., ABFYJAA1.000\*; ABFYJLA25.4\*; ABFYJAB2.495\$\$JAC2.503\*)

Table 1

REPLY CODE

A

L

REPLY (AA05)

INCHES

MILLIMETERS

Table 2

REPLY CODE

A

B

C

REPLY (AC20)

NOMINAL

MINIMUM

MAXIMUM

FIIG T  
Section Parts

APP Key	MRC	Mode Code	Requirements
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---

AA

AQEQ	D	RELAY BOX MOUNTING
------	---	--------------------

Definition: AN INDICATION OF THE RELAY BOX MOUNTING.

Reply Instructions: Enter the applicable Reply Code from the table below. (e.g., AQEQDHS\*)

<u>REPLY CODE</u>	<u>REPLY (AB28)</u>
HS	INTEGRAL
HT	SEPARATE

NOTE FOR MRCS AQER, AQET, AQES, AQEW, AND AQEX: IF REPLY CODE HT IS ENTERED FOR MRC AQEQ, REPLY TO MRCS AQER, AQET, AQES, AQEW AND AQEX, AS APPLICABLE.

AA\* (See Note Above)

AQER	J	RELAY BOX OVERALL LENGTH
------	---	--------------------------

Definition: THE DIMENSION MEASURED ALONG THE LONGITUDINAL AXIS WITH TERMINATED POINTS AT THE EXTREME ENDS OF THE RELAY BOX.

Reply Instructions: Enter the applicable Reply Codes from Tables 1 and 2 below, followed by the numeric value. (e.g., AQERJAA1.000\*; AQERJLA25.4\*; AQERJAB2.495\$\$JAC2.503\*)

<u>Table 1</u>	
<u>REPLY CODE</u>	<u>REPLY (AA05)</u>
A	INCHES
L	MILLIMETERS

<u>Table 2</u>	
<u>REPLY CODE</u>	<u>REPLY (AC20)</u>
A	NOMINAL
B	MINIMUM
C	MAXIMUM

AA\* (See Note Preceding MRC AQER)



FIIG T  
Section Parts

APP Key	MRC	Mode Code	Requirements
	AQET	J	RELAY BOX OVERALL DIAMETER

Definition: A MEASUREMENT OF THE LONGEST STRAIGHT LINE ACROSS THE CENTER OF A RELAY BOX.

Reply Instructions: Enter the applicable Reply Codes from Tables 1 and 2 below, followed by the numeric value. (e.g., AQETJAA1.000\*; AQETJLA25.4\*; AQETJAB2.495\$\$JAC2.503\*)

Table 1

REPLY CODE

A

L

REPLY (AA05)

INCHES

MILLIMETERS

Table 2

REPLY CODE

A

B

C

REPLY (AC20)

NOMINAL

MINIMUM

MAXIMUM

AA\* (See Note Preceding MRC AQER)

AQES	J	RELAY BOX OVERALL WIDTH
------	---	-------------------------

Definition: AN OVERALL MEASUREMENT TAKEN AT RIGHT ANGLES TO THE LENGTH OF A RELAY BOX, IN DISTINCTION FROM THICKNESS.

Reply Instructions: Enter the applicable Reply Codes from Tables 1 and 2 below, followed by the numeric value. (e.g., AQESJAA1.000\*; AQESJLA25.4\*; AQESJAB2.495\$\$JAC2.503\*)

Table 1

REPLY CODE

A

L

REPLY (AA05)

INCHES

MILLIMETERS

Table 2

REPLY CODE

A

B

C

REPLY (AC20)

NOMINAL

MINIMUM

MAXIMUM

AA\* (See Note Preceding MRC AQER)

FIIG T  
Section Parts

APP  
Key

MRC

Mode Code

Requirements

AQEW

J

RELAY BOX OVERALL HEIGHT

Definition: THE DISTANCE MEASURED IN A STRAIGHT LINE FROM THE BOTTOM TO THE TOP OF A RELAY BOX.

Reply Instructions: Enter the applicable Reply Codes from Tables 1 and 2 below, followed by the numeric value. (e.g., AQEWJAA1.000\*; AQEWJLA25.4\*; AQEWJAB2.495\$\$JAC2.503\*)

Table 1

REPLY CODE

A

L

REPLY (AA05)

INCHES

MILLIMETERS

Table 2

REPLY CODE

A

B

C

REPLY (AC20)

NOMINAL

MINIMUM

MAXIMUM

AA\* (See Note Preceding MRC AQER)

AQEX

J

RELAY BOX OVERALL DEPTH

Definition: AN OVERALL MEASUREMENT BETWEEN SPECIFIED POINTS OF A RELAY BOX, IN DISTINCTION FROM HEIGHT.

Reply Instructions: Enter the applicable Reply Codes from Tables 1 and 2 below, followed by the numeric value. (e.g., AQEXJAA1.000\*; AQEXJLA25.4\*; AQEXJAB2.495\$\$JAC2.503\*)

Table 1

REPLY CODE

A

L

REPLY (AA05)

INCHES

MILLIMETERS

Table 2

REPLY CODE

A

B

C

REPLY (AC20)

NOMINAL

MINIMUM

MAXIMUM

AA\*

FIIG T  
Section Parts

APP Key	MRC	Mode Code	Requirements
	ALGC	G	MOUNTING CONFIGURATION

Definition: THE PATTERN OR ARRANGEMENT THAT DESCRIBES THE MOUNTING CONFIGURATION OF THE ITEM.

Reply Instructions: Enter the reply in clear text.

(e.g., ALGCGTHREE NO. 2-56 FILLISTER HEAD SCREWS\*)

FIIG T  
Section Parts

**SECTION: B**

APP

Key	MRC	Mode Code	Requirements
-----	-----	-----------	--------------

---

ALL

NAME	D	ITEM NAME
------	---	-----------

Definition: A NOUN, WITH OR WITHOUT MODIFIERS, BY WHICH AN ITEM OF SUPPLY IS KNOWN.

Reply Instructions: Enter the applicable Item Name Code from the index appearing in the General Information Section. (e.g., NAMED20435\*)

BA

AQEY	D	ALARM TYPE
------	---	------------

Definition: INDICATES THE TYPE OF ALARM PROVIDED.

Reply Instructions: Enter the applicable Reply Code from the table below. (e.g., AQEYDADN\*; AQEYDADN\$\$DADQ\*)

<u>REPLY CODE</u> ADN ABC ADP ADQ	<u>REPLY (AJ12)</u> BELL BUZZER HORN INDICATING LIGHT
---	---

BA

AQEZ	D	MONITOR TYPE
------	---	--------------

Definition: INDICATES THE TYPE OF MONITOR PROVIDED.

Reply Instructions: Enter the applicable Reply Code from the table below. (e.g., AQEZDBH\*)

<u>REPLY CODE</u> BH BJ BK BL	<u>REPLY (AJ52)</u> DROP FLAG DRUM LAMP MOVING ARROW
---	--

FIIG T  
Section Parts

APP			
Key	MRC	Mode Code	Requirements

---

NOTE FOR MRC AKWC: REPLY TO MRC AKWC WHEN THE SOLE POWER SOURCE IS SELFCONTAINED OR WHEN A SINGLE EXTERNAL POWER SOURCE IS CITED. IF MORE THAN ONE EXTERNAL POWER SOURCE, DO NOT REPLY TO MRC AKWC.

BA\* (See Note Above)

AKWC	D	ELECTRICAL POWER SOURCE RELATIONSHIP
------	---	--------------------------------------

Definition: THE RELATIONSHIP OF THE ELECTRICAL POWER SOURCE TO THE ITEM.

Reply Instructions: Enter the applicable Reply Code from the table below. (e.g., AKWCDAB\*)

A self-contained power source shall be interpreted as being a power source, such as gasoline or diesel engine generator, or vehicular electrical system when the vehicle utilized as the power source is included in the item.

When the item includes a self-contained power source and the item is also designed for operation from an external power source, the external power source is considered alternate operating. Under this condition reply only alternate operating.

When the item is powered by external power source(s) only, it is considered operating. When the item is powered solely by internal batteries, these batteries do not constitute a self-contained power source but are considered operating.

<u>REPLY CODE</u>	<u>REPLY (AH00)</u>
AB	ALTERNATE OPERATING
AC	OPERATING
AD	SELF-CONTAINED

NOTE FOR MRCS ACYN, ACZB, FAAZ, AND ACYR: REPLY TO THESE MRCS, IF OTHER THAN REPLY CODE AD IS ENTERED FOR MRC AKWC. SEE APPENDIX C, TABLE 1, FOR IDENTIFIED SECONDARY ADDRESS CODING INSTRUCTIONS.

BA\* (See Note Above)

ACYN	J	AC VOLTAGE RATING
------	---	-------------------

Definition: THE VALUE, OR RANGE OF VALUES, OF ROOT MEANS SQUARE POTENTIAL FOR WHICH THE ITEM IS RATED.

FIIG T  
Section Parts

APP			
Key	MRC	Mode Code	Requirements

---

*Reply Instructions: SEE APPENDIX C, TABLE 1 THAN Enter the applicable Reply Codes from Tables 1 and 2 below, followed by the numeric value. (e.g., ACYN1AJVA110.0\*; ACYN1AJVA110.0\$\$JVA220.0\*)*

Table 1

<u>REPLY CODE</u>	<u>REPLY (AB63)</u>
K	KILOVOLTS
U	MICROVOLTS
L	MILLIVOLTS
V	VOLTS

Table 2

<u>REPLY CODE</u>	<u>REPLY (AC20)</u>
A	NOMINAL
B	MINIMUM
C	MAXIMUM

BA\* (See Note Preceding MRC ACYN)

ACZB	J	FREQUENCY RATING
------	---	------------------

Definition: THE NUMBER OF COMPLETE CYCLIC CHANGES, PER UNIT OF TIME, FOR WHICH AN ITEM IS RATED.

*Reply Instructions: SEE APPENDIX C, TABLE 1 THAN Enter the applicable Reply Codes from Tables 1 and 2 below, followed by the numeric value. (e.g., ACZB1AJEA60.0\*; ACZB1BJEB50.0\$\$JEC60.0\*)*

Table 1

<u>REPLY CODE</u>	<u>REPLY (AC32)</u>
G	GIGAHERTZ
E	HERTZ
K	KILOHERTZ
M	MEGAHERTZ

Table 2

<u>REPLY CODE</u>	<u>REPLY (AC20)</u>
A	NOMINAL
B	MINIMUM
C	MAXIMUM

BA\* (See Note Preceding MRC ACYN)

FIIG T  
Section Parts

APP Key	MRC	Mode Code	Requirements
	FAAZ	D	PHASE

Definition: THE NUMBER OF ALTERNATING CURRENT PHASES.

*Reply Instructions: SEE APPENDIX C, TABLE 1 THAN Enter the applicable Reply Code from the table below. (e.g., FAAZIADB\*; FAAZIBDA\$\$DC\*; FAAZICDA\$DC\*)*

<u>REPLY CODE</u>	<u>REPLY (AD02)</u>
A	SINGLE
C	THREE
B	TWO

BA\* (See Note Preceding MRC ACYN)

ACYR          J          DC VOLTAGE RATING

Definition: THE VALUE, OR RANGE OR VALUES, OF DIRECT CURRENT POTENTIAL FOR WHICH THE ITEM IS RATED.

*Reply Instructions: SEE APPENDIX C, TABLE 1 THAN Enter the applicable Reply Codes from Tables 1 and 2 below, followed by the numeric value. (e.g., ACYRIAJVA12.0\*; ACYR1BJVA6.0\$\$JVA12.0\*; ACYR1CJVB30.0\$\$JVC48.0\*)*

<u>Table 1</u>	
<u>REPLY CODE</u>	<u>REPLY (AB63)</u>
K	KILOVOLTS
U	MICROVOLTS
L	MILLIVOLTS
V	VOLTS

<u>Table 2</u>	
<u>REPLY CODE</u>	<u>REPLY (AC20)</u>
A	NOMINAL
B	MINIMUM
C	MAXIMUM

BA\*

ALSF          D          INTERNAL BATTERY ACCOMMODATION

Definition: AN INDICATION OF WHETHER OR NOT A FACILITY(IES) TO ACCOMMODATE A BATTERY(IES) IS INCLUDED.

FIIG T  
Section Parts

APP			
Key	MRC	Mode Code	Requirements

---

Reply Instructions: Enter the applicable Reply Code from the table below. (e.g., ALSFDB\*)

<u>REPLY CODE</u>	<u>REPLY (AA49)</u>
B	INCLUDED
C	NOT INCLUDED

BA\*

ABHP            J            OVERALL LENGTH

Definition: THE DIMENSION MEASURED ALONG THE LONGITUDINAL AXIS WITH TERMINATED POINTS AT THE EXTREME ENDS OF THE ITEM.

Reply Instructions: Enter the applicable Reply Codes from Tables 1 and 2 below, followed by the numeric value. (e.g., ABHPJAA1.000\*; ABHPJLA25.4\*; ABHPJAB2.495\$\$JAC2.503\*)

<u>Table 1</u>	
<u>REPLY CODE</u>	<u>REPLY (AA05)</u>
A	INCHES
L	MILLIMETERS

<u>Table 2</u>	
<u>REPLY CODE</u>	<u>REPLY (AC20)</u>
A	NOMINAL
B	MINIMUM
C	MAXIMUM

BA\*

ABKW            J            OVERALL HEIGHT

Definition: THE DISTANCE MEASURED IN A STRAIGHT LINE FROM THE BOTTOM TO THE TOP OF AN ITEM.

Reply Instructions: Enter the applicable Reply Codes from Tables 1 and 2 below, followed by the numeric value. (e.g., ABKWJAA1.000\*; ABKWJLA25.4\*; ABKWJAB2.495\$\$JAC2.503\*)

<u>Table 1</u>	
<u>REPLY CODE</u>	<u>REPLY (AA05)</u>
A	INCHES
L	MILLIMETERS



FIIG T  
Section Parts

APP			
Key	MRC	Mode Code	Requirements

---

Table 2

REPLY CODE

A

B

C

REPLY (AC20)

NOMINAL

MINIMUM

MAXIMUM

BA\*

ABMK          J                  OVERALL WIDTH

Definition: AN OVERALL MEASUREMENT TAKEN AT RIGHT ANGLES TO THE LENGTH OF AN ITEM, IN DISTINCTION FROM THICKNESS.

Reply Instructions: Enter the applicable Reply Codes from Tables 1 and 2 below, followed by the numeric value. (e.g., ABMKJAA1.000\*; ABMKJLA25.4\*; ABMKJAB2.495\$\$JAC2.503\*)

Table 1

REPLY CODE

A

L

REPLY (AA05)

INCHES

MILLIMETERS

Table 2

REPLY CODE

A

B

C

REPLY (AC20)

NOMINAL

MINIMUM

MAXIMUM

BA\*

ADAV          J                  OVERALL DIAMETER

Definition: A MEASUREMENT OF THE LONGEST STRAIGHT LINE ACROSS A CIRCULAR CROSS-SECTIONAL PLANE.

Reply Instructions: Enter the applicable Reply Codes from Tables 1 and 2 below, followed by the numeric value. (e.g., ADAVJAA1.000\*; ADAVJLA25.4\*; ADAVJAB2.495\$\$JAC2.503\*)

Table 1

REPLY CODE

A

L

REPLY (AA05)

INCHES

MILLIMETERS

FIIG T  
Section Parts

APP	Key	MRC	Mode Code	Requirements
-----	-----	-----	-----------	--------------

---

Table 2

REPLY CODE

A

B

C

REPLY (AC20)

NOMINAL

MINIMUM

MAXIMUM

BA\*

ABFY	J	OVERALL DEPTH
------	---	---------------

Definition: AN OVERALL MEASUREMENT BETWEEN SPECIFIED POINTS OF AN ITEM, IN DISTINCTION FROM HEIGHT.

Reply Instructions: Enter the applicable Reply Codes from Tables 1 and 2 below, followed by the numeric value. (e.g., ABFYJAA1.000\*; ABFYJLA25.4\*; ABFYJAB2.495\$\$JAC2.503\*)

Table 1

REPLY CODE

A

L

REPLY (AA05)

INCHES

MILLIMETERS

Table 2

REPLY CODE

A

B

C

REPLY (AC20)

NOMINAL

MINIMUM

MAXIMUM

BA\*

AKWA	G	JOINT ELECTRONICS TYPE DESIGNATION SYSTEM ITEM NAME
------	---	--

Definition: THE NAME ASSIGNED TO THE ITEM BY THE JOINT ELECTRONICS TYPE DESIGNATION SYSTEM.

Reply Instructions: Enter the reply in clear text. (e.g., AKWAGPUBLIC ADDRESS SYSTEM\*)

BA\*

AKWB	G	JOINT ELECTRONICS TYPE DESIGNATION
------	---	------------------------------------

FIIG T  
Section Parts

APP Key	MRC	Mode Code	Requirements
------------	-----	-----------	--------------

---

SYSTEM ITEM TYPE NUMBER

Definition: THE TYPE NUMBER ASSIGNED TO THE ITEM BY THE JOINT ELECTRONICS TYPE DESIGNATION SYSTEM.

Reply Instructions: Enter the reply in clear text. (e.g., AKWBGAN/TIPIA\*)

FIIG T  
Section Parts

**SECTION: C**

APP

Key	MRC	Mode Code	Requirements
-----	-----	-----------	--------------

---

ALL

NAME	D	ITEM NAME
------	---	-----------

Definition: A NOUN, WITH OR WITHOUT MODIFIERS, BY WHICH AN ITEM OF SUPPLY IS KNOWN.

Reply Instructions: Enter the applicable Item Name Code from the index appearing in the General Information Section. (e.g., NAMED00191\*)

*ALL*

<i>CSBH</i>	<i>J</i>	<i>VOLTAGE IN VOLTS AND CURRENT TYPE</i>
-------------	----------	--

*Definition: THE TOTAL ELECTRICAL VOLTAGE, EXPRESSED IN VOLTS, AND THE TYPE OF CURRENT, WHETHER ALTERNATING OR DIRECT.*

*Reply Instructions: Enter the applicable Reply Code from the table below. (e.g., CSBHJAC120.0\*; CSBHJAC110.0\$\$JDC24.0\*)*

REPLY CODE

*AC*

*DC*

REPLY (AN87)

*DC*

*DC*

CA\*, CC\*

ELEC	B	VOLTAGE IN VOLTS
------	---	------------------

Definition: THE TOTAL ELECTRICAL VOLTAGE.

Reply Instructions: Enter the numeric value. When the source document cites tolerance voltage, enter a nominal voltage (e.g., ELECB115.0\*). If the multiple voltage given represent AC and DC currents, use Secondary Address Coding entering AC value first. (e.g.,

ELEC1AB22.0;

ELEC1BB12.0\*)

CA\*, CC\*

ACZB	J	FREQUENCY RATING
------	---	------------------

FIIG T  
Section Parts

APP			
Key	MRC	Mode Code	Requirements

Definition: THE NUMBER OF COMPLETE CYCLIC CHANGES, PER UNIT OF TIME, FOR WHICH AN ITEM IS RATED.

Reply Instructions: Enter the applicable Reply Codes from Tables 1 and 2 below, followed by the numeric value. (e.g., ACZBJEA60.0\*; ACZBJEB50.0\$\$\$JEC60.0\*)

Table 1

<u>REPLY CODE</u>	<u>REPLY (AC32)</u>
G	GIGAHERTZ
E	HERTZ
K	KILOHERTZ
M	MEGAHERTZ

Table 2

<u>REPLY CODE</u>	<u>REPLY (AC20)</u>
A	NOMINAL
B	MINIMUM
C	MAXIMUM

CA\*, CC\*

AMPS	B	CURRENT RATING IN AMPS
------	---	------------------------

Definition: THE ELECTRICAL CURRENT RATING, EXPRESSED IN AMPERES.

Reply Instructions: Enter the numeric value. (e.g., AMPSB3.0\*)

CA\*, CC\*

AARB	D	TERMINAL TYPE
------	---	---------------

Definition: INDICATES THE TYPE OF TERMINALS FOR PROVIDING ELECTRICAL CONNECTION TO THE ITEM.

Reply Instructions: Enter the applicable Reply Code from the table below. (e.g., AARBDBB\*; AARBDNL\$\$\$DFQ\*)

<u>REPLY CODE</u>	<u>REPLY (AA58)</u>
NL	CONNECTOR
FQ	LUG
AQ	SOLDER STUD
BA	TURRET
BB	WIRE LEAD

FIIG T  
Section Parts

APP			
Key	MRC	Mode Code	Requirements

---

CA\*, CC\*

AMWM            D            ACTION TYPE

Definition: INDICATES THE TYPE OF ACTION PROVIDED.

Reply Instructions: Enter the applicable Reply Code from the table below. (e.g., AMWMDAX\*)

<u>REPLY CODE</u>	<u>REPLY (AJ27)</u>
AD	PLUNGER
AX	SINGLE STROKE
AY	VIBRATING

CA

AQFA            D            SOUND CHAMBER TYPE

Definition: INDICATES THE TYPE OF CHAMBER USED TO PRODUCE SOUND.

Reply Instructions: Enter the applicable Reply Code from the table below. (e.g., AQFADAAB\*)

<u>REPLY CODE</u>	<u>REPLY (AL05)</u>
A	ANY ACCEPTABLE
AAB	GONG
AAC	RESONATING

CA\*

NMBR            A            QUANTITY

Definition: A NUMERIC VALUE WHICH REPRESENTS A POSITIVE WHOLE VALUE WITHOUT REGARD TO ANY UNIT OF MEASURE.

Reply Instructions: Enter the quantity. (e.g., NMBRA2\*)

CA\*

APGF            D            DESIGN TYPE

Definition: INDICATES THE DESIGN TYPE OF THE ITEM.

FIIG T  
Section Parts

APP			
Key	MRC	Mode Code	Requirements

---

Reply Instructions: Enter the applicable Reply Code from the table below. (e.g., APGFDACG\*)

<u>REPLY CODE</u>	<u>REPLY (AK54)</u>
A	ANY ACCEPTABLE
ACG	BAR GONG
ACH	BOX
ACJ	COW GONG
ACK	ROUND GONG
ACL	TUBE

CA\*

AQFB                      J                      SOUND CHAMBER OVERALL LENGTH

Definition: THE DIMENSIONS MEASURED ALONG THE LONGITUDINAL AXIS WITH TERMINATED POINTS AT THE EXTREME ENDS OF THE SOUND CHAMBER.

Reply Instructions: Enter the applicable Reply Codes from Tables 1 and 2 below, followed by the numeric value. (e.g., AQFBJAA1.000\*; AQFBJLA25.4\*; AQFBJAB2.495\$\$JAC2.503\*)

<u>Table 1</u>	
<u>REPLY CODE</u>	<u>REPLY (AA05)</u>
A	INCHES
L	MILLIMETERS

<u>Table 2</u>	
<u>REPLY CODE</u>	<u>REPLY (AC20)</u>
A	NOMINAL
B	MINIMUM
C	MAXIMUM

CA\*

AQFC                      J                      SOUND CHAMBER OVERALL DIAMETER

Definition: A MEASUREMENT OF THE LONGEST STRAIGHT LINE ACROSS THE CENTER OF A SOUND CHAMBER.

FIIG T  
Section Parts

APP			
Key	MRC	Mode Code	Requirements

---

Reply Instructions: Enter the applicable Reply Codes from Tables 1 and 2 below, followed by the numeric value. (e.g., AQFCJAA1.000\*; AQFCJLA25.4\*; AQFCJAB2.495\$\$JAC2.503\*)

Table 1

REPLY CODE

A

L

REPLY (AA05)

INCHES

MILLIMETERS

Table 2

REPLY CODE

A

B

C

REPLY (AC20)

NOMINAL

MINIMUM

MAXIMUM

CA\*

AQFD                      J                      SOUND CHAMBER OVERALL WIDTH

Definition: AN OVERALL MEASUREMENT TAKEN AT RIGHT ANGLES TO THE LENGTH OF A SOUND CHAMBER, IN DISTINCTION FROM THICKNESS.

Reply Instructions: Enter the applicable Reply Codes from Tables 1 and 2 below, followed by the numeric value. (e.g., AQFDJAA1.000\*; AQFDJLA25.4\*; AQFDJAB2.495\$\$JAC2.503\*)

Table 1

REPLY CODE

A

L

REPLY (AA05)

INCHES

MILLIMETERS

Table 2

REPLY CODE

A

B

C

REPLY (AC20)

NOMINAL

MINIMUM

MAXIMUM

CA\*

AQFE                      J                      SOUND CHAMBER OVERALL HEIGHT

Definition: THE DISTANCE MEASURED IN A STRAIGHT LINE FROM THE BOTTOM TO THE TOP OF A SOUND CHAMBER.



FIIG T  
Section Parts

APP			
Key	MRC	Mode Code	Requirements

---

Reply Instructions: Enter the applicable Reply Codes from Tables 1 and 2 below, followed by the numeric value. (e.g., AQFEJAA1.000\*; AQFEJLA25.4\*; AQFEJAB2.495\$\$JAC2.503\*)

Table 1

REPLY CODE

A  
L

REPLY (AA05)

INCHES  
MILLIMETERS

Table 2

REPLY CODE

A  
B  
C

REPLY (AC20)

NOMINAL  
MINIMUM  
MAXIMUM

CA

AQFF	D	TONE ADJUSTABILITY
------	---	--------------------

Definition: AN INDICATION OF WHETHER OR NOT THE TONE IS ADJUSTABLE.

Reply Instructions: Enter the applicable Reply Code from the table below. For bell and buzzer combination, enter replies for the bell first. (e.g., AQFFDA\*; AQFFDA\$\$DC\*)

REPLY CODE

A  
C

REPLY (AB00)

ADJUSTABLE  
NONADJUSTABLE

CA\*, CC\*

AQFK	G	LOUDNESS LEVEL IN DECIBELS
------	---	----------------------------

Definition: THE LEVEL OF A SIGNAL OR SOUND RELATIVE TO A SPECIFIC DISTANCE, EXPRESSED IN DECIBELS.

Reply Instructions: Enter the reply in clear text. (e.g., AQFKG116 DB AT 10 FT\*)

CA, CC

APBQ	D	INCLOSURE
------	---	-----------

FIIG T  
Section Parts

APP			
Key	MRC	Mode Code	Requirements

---

Definition: AN INDICATION OF WHETHER OR NOT AN INCLOSURE IS INCLUDED.

Reply Instructions: Enter the applicable Reply Code from the table below. For bell and buzzer combination inclosed separately, enter replies for the bell first. (e.g., APBQDB\*; APBQDB\$SDC\*)

REPLY CODE

B  
C

REPLY (AA49)

INCLUDED  
NOT INCLUDED

NOTE FOR MRC MATL: REPLY TO MRC MATL, IF REPLY CODE B IS ENTERED FOR MRC APBQ.

CA\*, CC\* (See Note Above)

MATL	D	MATERIAL
------	---	----------

Definition: THE ELEMENT, COMPOUND, OR MIXTURE OF WHICH AN ITEM IS FABRICATED, EXCLUDING ANY SURFACE TREATMENT.

Reply Instructions: Enter the applicable Reply Code from [Appendix A](#), Table 2. For bell and buzzer combination, separately inclosed, enter replies for the bell first. (e.g., MATLDALC000\*; MATLDALC000\$DBN0000\*; MATLDALC000\$DBR0000\*)

NOTE FOR MRC SURF: REPLY TO MRC SURF, AS APPLICABLE, IF REPLY CODE B IS ENTERED FOR MRC APBQ.

CA\*, CC\* (See Note Above)

SURF	D	SURFACE TREATMENT
------	---	-------------------

Definition: CONSISTS OF PLATING, DIP, AND/OR COATING THAT CANNOT BE WIPED OFF. PLATING AND/OR COATING IS ANY CHEMICAL AND/OR METALLIC ADDITIVE, ELECTROCHEMICAL, OR MILD MECHANICAL PROCESS WHICH PROTECTS A SURFACE.

Reply Instructions: Enter the applicable Reply Code from [Appendix A](#), Table 1. For bell and buzzer combination, separately inclosed, enter replies for the bell first. (e.g., SURFDZN0000\*; SURFDAN0000\$SDCN0000\*; SURFDCHC000\$DNFG000\*)

CA\*, CB\*, CC\*

FIIG T  
Section Parts

APP

Key	MRC	Mode Code	Requirements
-----	-----	-----------	--------------

ABHP	J	OVERALL LENGTH
------	---	----------------

Definition: THE DIMENSION MEASURED ALONG THE LONGITUDINAL AXIS WITH TERMINATED POINTS AT THE EXTREME ENDS OF THE ITEM.

Reply Instructions: Enter the applicable Reply Codes from Tables 1 and 2 below, followed by the numeric value. (e.g., ABHPJAA1.000\*; ABHPJLA25.4\*; ABHPJAB2.495\$\$JAC2.503\*)

Table 1

REPLY CODE

A

L

REPLY (AA05)

INCHES

MILLIMETERS

Table 2

REPLY CODE

A

B

C

REPLY (AC20)

NOMINAL

MINIMUM

MAXIMUM

CA\*, CB\*, CC\*

ABKW	J	OVERALL HEIGHT
------	---	----------------

Definition: THE DISTANCE MEASURED IN A STRAIGHT LINE FROM THE BOTTOM TO THE TOP OF AN ITEM.

Reply Instructions: Enter the applicable Reply Codes from Tables 1 and 2 below, followed by the numeric value. (e.g., ABKWJAA1.000\*; ABKWJLA25.4\*; ABKWJAB2.495\$\$JAC2.503\*)

Table 1

REPLY CODE

A

L

REPLY (AA05)

INCHES

MILLIMETERS

Table 2

REPLY CODE

A

B

C

REPLY (AC20)

NOMINAL

MINIMUM

MAXIMUM

CA\*, CB\*, CC\*

FIIG T  
Section Parts

APP  
Key

MRC

Mode Code

Requirements

ABMK

J

OVERALL WIDTH

Definition: AN OVERALL MEASUREMENT TAKEN AT RIGHT ANGLES TO THE LENGTH OF AN ITEM, IN DISTINCTION FROM THICKNESS.

Reply Instructions: Enter the applicable Reply Codes from Tables 1 and 2 below, followed by the numeric value. (e.g., ABMKJAA1.000\*; ABMKJLA25.4\*; ABMKJAB2.495\$\$JAC2.503\*)

Table 1

REPLY CODE

A

L

REPLY (AA05)

INCHES

MILLIMETERS

Table 2

REPLY CODE

A

B

C

REPLY (AC20)

NOMINAL

MINIMUM

MAXIMUM

CA\*, CB\*, CC\*

ADAV

J

OVERALL DIAMETER

Definition: A MEASUREMENT OF THE LONGEST STRAIGHT LINE ACROSS A CIRCULAR CROSS-SECTIONAL PLANE.

Reply Instructions: Enter the applicable Reply Codes from Tables 1 and 2 below, followed by the numeric value. (e.g., ADAVJAA1.000\*; ADAVJLA25.4\*; ADAVJAB2.495\$\$JAC2.503\*)

Table 1

REPLY CODE

A

L

REPLY (AA05)

INCHES

MILLIMETERS

Table 2

REPLY CODE

A

B

C

REPLY (AC20)

NOMINAL

MINIMUM

MAXIMUM

CB\*

FIIG T  
Section Parts

APP Key	MRC	Mode Code	Requirements
	AQFG	D	CLAPPER DESIGN

Definition: THE DESIGN OF THE CLAPPER.

Reply Instructions: Enter the applicable Reply Code from the table below. (e.g., AQFGDAD\*; AQFGDAD\$DAE\*)

<u>REPLY CODE</u>	<u>REPLY (AG65)</u>
AD	WITH EYE FOR ATTACHING LANYARD
AE	WITHOUT EYE

CB\*

WGHT                  J                  WEIGHT

Definition: A RELATIVE MEASURE OF THE MASS OF AN ITEM WITH RESPECT TO ITS DENSITY.

Reply Instructions: Enter the applicable Reply Code from the table below, followed by the numeric value. (e.g., WGHTJP1.0\*; WGHTJK1.5\*)

<u>REPLY CODE</u>	<u>REPLY (AB10)</u>
K	KILOGRAMS
P	POUNDS

CB

APTZ                  D                  KEY DESIGNATION

Definition: THE TONE/SOUND BY WHICH THE ITEM IS IDENTIFIED.

Reply Instructions: Enter the applicable Reply Code from [Appendix A](#), Table 4. (e.g., APTZDAB\*)

CC\*

ADZC                  D                  ENVIRONMENTAL PROTECTION

Definition: THE ENVIRONMENTAL ELEMENTS OR CONDITIONS THAT AN ITEM IS DESIGNED OR PROTECTED TO RESIST OR WITHSTAND SATISFACTORILY.

FIIG T  
Section Parts

APP			
Key	MRC	Mode Code	Requirements

---

Reply Instructions: Enter the applicable Reply Code from [Appendix A](#), Table 5. (e.g., ADZCDAB\*; ADZCDGK\$\$DAJ\*)

CA, CB, CC

ADJH	D	MOUNTING METHOD
------	---	-----------------

Definition: THE MEANS OF ATTACHING THE ITEM.

Reply Instructions: Enter the applicable Reply Code from the table below. (e.g., ADJHDET\*; ADJHDET\$\$DML\*)

<u>REPLY CODE</u>	<u>REPLY (AB89)</u>
ET	BULKHEAD
AAP	CLIP
EU	DECK
ML	HOLE

CA\*, CB\*, CC\*

ABTJ	A	MOUNTING HOLE QUANTITY
------	---	------------------------

Definition: THE NUMBER OF MOUNTING HOLES PROVIDED.

Reply Instructions: Enter the quantity. (e.g., ABTJA25\*)

CA\*, CB\*, CC\*

ABTB	J	MOUNTING HOLE DIAMETER
------	---	------------------------

Definition: THE LENGTH OF A STRAIGHT LINE WHICH PASSES THROUGH THE CENTER OF THE MOUNTING HOLE, AND TERMINATES AT THE CIRCUMFERENCE.

Reply Instructions: Enter the applicable Reply Codes from Tables 1 and 2 below, followed by the numeric value. (e.g., ABTBJAA1.000\*; ABTBJLA25.4\*; ABTBJAB2.495\$\$JAC2.503\*)

<u>Table 1</u>	
<u>REPLY CODE</u>	<u>REPLY (AA05)</u>
A	INCHES
L	MILLIMETERS

<u>Table 2</u>	
<u>REPLY CODE</u>	<u>REPLY (AC20)</u>

FIIG T  
Section Parts

APP Key	MRC	Mode Code	Requirements
		A	NOMINAL
		B	MINIMUM
		C	MAXIMUM

CA\*, CB\*, CC\*

ABTH                      J                      CENTER TO CENTER DISTANCE BETWEEN  
MOUNTING HOLES

Definition: THE CENTER TO CENTER DISTANCE BETWEEN MOUNTING HOLES.

Reply Instructions: Enter the applicable Reply Codes from Tables 1 and 2 below, followed by the numeric value. (e.g., ABTHJAA1.000\*; ABTHJLA25.4\*; ABTHJAB2.495\$\$JAC2.503\*)

Table 1

REPLY CODE

A

L

REPLY (AA05)

INCHES

MILLIMETERS

Table 2

REPLY CODE

A

B

C

REPLY (AC20)

NOMINAL

MINIMUM

MAXIMUM

CB

AQFH                      D                      BRACKET

Definition: AN INDICATION OF WHETHER OR NOT THE ITEM IS PROVIDED WITH A BRACKET(S).

Reply Instructions: Enter the applicable Reply Code from the table below. (e.g., AQFHDB\*)

REPLY CODE

C

B

REPLY (AB22)

NOT PROVIDED

PROVIDED

FIIG T  
Section Parts

APP			
Key	MRC	Mode Code	Requirements

---

NOTE FOR MRCS SHPE AND AQFJ: REPLY TO MRCS SHPE AND AQFJ IF REPLY CODE B WAS ENTERED FOR MRC AQFH.

CB\* (See Note Above)

SHPE	D	SHAPE
------	---	-------

Definition: THE PHYSICAL CONFIGURATION OF THE ITEM.

Reply Instructions: Enter the applicable Reply Code from the table below. (e.g., SHPEDBK\*)

<u>REPLY CODE</u>	<u>REPLY (AD07)</u>
Z	ANY ACCEPTABLE
BK	STRAIGHT
GB	U-SHAPE

CB\* (See Note Preceding MRC SHPE)

AQFJ	D	BRACKET DETACHABILITY
------	---	-----------------------

Definition: AN INDICATION OF WHETHER OR NOT THE BRACKET IS DETACHABLE.

Reply Instructions: Enter the applicable Reply Code from the table below. (e.g., AQFJDAB\*)

<u>REPLY CODE</u>	<u>REPLY (AH97)</u>
A	ANY ACCEPTABLE
AC	DETACHABLE
AB	INTEGRAL

**SECTION: D**

APP			
Key	MRC	Mode Code	Requirements

---

ALL

NAME	D	ITEM NAME
------	---	-----------

Definition: A NOUN, WITH OR WITHOUT MODIFIERS, BY WHICH AN ITEM OF SUPPLY IS KNOWN.



FIIG T  
Section Parts

APP			
Key	MRC	Mode Code	Requirements

Reply Instructions: Enter the applicable Item Name Code from the index appearing in the General Information Section. (e.g., NAMED00139\*)

DB

CMMJ            D            OPERATING POWER TYPE

Definition: INDICATES THE TYPE OF POWER TO OPERATE THE ITEM.

Reply Instructions: Enter the applicable Reply Code from the table below. (e.g., CMMJDCB\*)

<u>REPLY CODE</u>	<u>REPLY (AH83)</u>
EC	ELECTRIC
CB	MECHANICAL

DB\*

AFGA            J            OPERATING TEMP RANGE

Definition: THE MINIMUM AND MAXIMUM LIMITS OF TEMPERATURE AT WHICH THE ITEM IS RATED FOR OPERATION.

Reply Instructions: Enter the applicable Reply Code from the table below, followed by the numeric values separated by a slash. Precede values below zero with M and values at or above zero with P. (e.g., AFGAJCM40.0/P85.0\*)

<u>REPLY CODE</u>	<u>REPLY (AB36)</u>
C	DEG CELSIUS
F	DEG FAHRENHEIT

NOTE FOR MRC AKWC: REPLY TO THIS MRC AKWC WHEN THE SOLE POWER SOURCE IS SELF-CONTAINED OR WHEN A SINGLE EXTERNAL POWER SOURCE IS CITED. IF MORE THAN ONE EXTERNAL POWER SOURCE, DO NOT REPLY TO MRC AKWC AS THE TYPE OF POWER SOURCE IS THEN IDENTIFIED IN THE IDENTIFIED SECONDARY ADDRESS CODES SHOWN IN APPENDIX C, TABLE 1, APPLICABLE TO MRCS ACYN, ACZB, FAAZ, AND ACYR.

DA\*, DB\* (See Note Above)

AKWC            D            ELECTRICAL POWER SOURCE RELATIONSHIP

FIIG T  
Section Parts

APP  
Key      MRC                      Mode Code      Requirements

Definition: THE RELATIONSHIP OF THE ELECTRICAL POWER SOURCE TO THE ITEM.

Reply Instructions: Enter the applicable Reply Code from the table below. (e.g., AKWCDAB\*)

A self-contained power source shall be interpreted as being a power source, such as gasoline or diesel engine generator, or vehicular electrical system when the vehicle utilized as the power source is included in the item.

When the item includes a self-contained power source and the item is also designed for operation from an external power source, the external power source is considered alternate operating. Under this condition reply only alternate operating.

When the item is powered by external power source(s) only, it is considered operating. When the item is powered solely by internal batteries, these batteries do not constitute a self-contained power source but are considered operating.

<u>REPLY CODE</u>	<u>REPLY (AH00)</u>
AB	ALTERNATE OPERATING
AC	OPERATING
AD	SELF-CONTAINED

NOTE FOR MRCS ACYN, ACZB, FAAZ, AND ACYR: REPLY TO THESE MRCS AS APPLICABLE, IF OTHER THAN REPLY CODE AD IS ENTERED FOR MRC AKWC. FOR MULTIPLE REPLIES, SEE APPENDIX C, TABLE 1, FOR IDENTIFIED SECONDARY ADDRESS CODING INSTRUCTIONS.

DA\*, DB\* (See Note Above)

ACYN                      J                      AC VOLTAGE RATING

Definition: THE VALUE, OR RANGE OF VALUES, OF ROOT MEAN SQUARE POTENTIAL FOR WHICH THE ITEM IS RATED.

Reply Instructions: Enter the applicable Reply Codes from Tables 1 and 2 below, followed by the numeric value. (e.g., ACYNJVA110.0\*; ACYNJVA110.0\$\$JVA220.0\*; ACYNJVB110.0\$\$JVC120.0\*)

<u>Table 1</u>	
<u>REPLY CODE</u>	<u>REPLY (AB63)</u>
K	KILOVOLTS
M	MEGAVOLTS
U	MICROVOLTS

FIIG T  
Section Parts

APP Key	MRC	Mode Code	Requirements
		L	MILLIVOLTS
		V	VOLTS
		<u>Table 2</u> <u>REPLY CODE</u>	
		A	<u>REPLY (AC20)</u> NOMINAL
		B	MINIMUM
		C	MAXIMUM

DA\*, DB\* (See Note Preceding MRC ACYN)

ACZB            J            FREQUENCY RATING

Definition: THE NUMBER OF COMPLETE CYCLIC CHANGES, PER UNIT OF TIME, FOR WHICH AN ITEM IS RATED.

Reply Instructions: Enter the applicable Reply Codes from Tables 1 and 2 below, followed by the numeric value. (e.g., ACZBJEA60.0\*; ACZBJEB50.0\$\$JEC60.0\*)

<u>Table 1</u>	
<u>REPLY CODE</u>	<u>REPLY (AC32)</u>
G	GIGAHERTZ
E	HERTZ
K	KILOHERTZ
M	MEGAHERTZ

<u>Table 2</u>	
<u>REPLY CODE</u>	<u>REPLY (AC20)</u>
A	NOMINAL
B	MINIMUM
C	MAXIMUM

DA\*, DB\* (See Note Preceding MRC ACYN)

FAAZ            D            PHASE

Definition: THE NUMBER OF ALTERNATING CURRENT PHASES.

Reply Instructions: Enter the applicable Reply Code from the table below. (e.g., FAAZDB\*; FAAZDA\$\$DC\*; FAAZDA\$DC\*)

<u>REPLY CODE</u>	<u>REPLY (AD02)</u>
A	SINGLE

FIIG T  
Section Parts

APP

Key	MRC	Mode Code	Requirements
-----	-----	-----------	--------------

---

	C	THREE
	B	TWO

DA\*, DB\* (See Note Preceding MRC ACYN)

ACYR	J	DC VOLTAGE RATING
------	---	-------------------

Definition: THE VALUE, OR RANGE OR VALUES, OF DIRECT CURRENT POTENTIAL FOR WHICH THE ITEM IS RATED.

Reply Instructions: Enter the applicable Reply Codes from Tables 1 and 2 below, followed by the numeric value. (e.g., ACYRJVA12.0\*; ACYRJVA6.0\$\$JVA12.0\*; ACYRJVB30.0\$\$JVC48.0\*)

Table 1

REPLY CODE

K  
M  
U  
L  
V

REPLY (AB63)

KILOVOLTS  
MEGAVOLTS  
MICROVOLTS  
MILLIVOLTS  
VOLTS

Table 2

REPLY CODE

A  
B  
C

REPLY (AC20)

NOMINAL  
MINIMUM  
MAXIMUM

DA\*, DB\*

ALSF	D	INTERNAL BATTERY ACCOMMODATION
------	---	--------------------------------

Definition: AN INDICATION OF WHETHER OR NOT A FACILITY(IES) TO ACCOMMODATE A BATTERY(IES) IS INCLUDED.

Reply Instructions: Enter the applicable Reply Code from the table below. (e.g., ALSFDB\*)

REPLY CODE

B  
C

REPLY (AA49)

INCLUDED  
NOT INCLUDED

FIIG T  
Section Parts

APP Key	MRC	Mode Code	Requirements
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DA\*, DB\*

AQFK	G	LOUDNESS LEVEL IN DECIBELS
------	---	----------------------------

Definition: THE LEVEL OF A SIGNAL OR SOUND RELATIVE TO A SPECIFIC DISTANCE, EXPRESSED IN DECIBELS.

Reply Instructions: Enter the reply in clear text. (e.g., AQFKG116 DB AT 10 FT\*)

DA, DB

AQFL	A	SOUND PROJECTOR QUANTITY
------	---	--------------------------

Definition: THE NUMBER OF SOUND PROJECTORS PROVIDED.

Reply Instructions: Enter the quantity. (e.g., AQFLA2\*)

NOTE FOR MRCS ARCJ AND ADVR: REPLY TO MRCS ARCJ AND ADVR IF REPLY TO MRC AQFL IS MORE THAN ONE (1).

DA\*, DB\* (See Note Above)

ARCJ	D	SOUND PROJECTOR DIRECTION DESIGN
------	---	----------------------------------

Definition: THE PROJECTED SOUND EMISSION ANGLE FOR WHICH THE ITEM IS DESIGNED.

Reply Instructions: Enter the applicable Reply Code from the table below. (e.g., ARCJDAD\*)

<u>REPLY CODE</u>	<u>REPLY (AK50)</u>
AE	DEGREE ADJUSTMENT RANGE
AD	DEGREE INCLUDED ANGLE
AF	PARALLEL

DA\*, DB\* (See Note Preceding MRC ARCJ)

ADVR	B	ANGLE IN DEG
------	---	--------------

Definition: THE ANGLE FORMED BY THE ANGULAR PORTION OF THE ITEM, EXPRESSED IN DEGREES.

FIIG T  
Section Parts

APP  
Key    MRC                    Mode Code    Requirements

---

Reply Instructions: See [Appendix B](#), Reference Drawing Group A, for Angle Illustration (e.g., ADVRB90.0\*). If adjustable, enter the range dimension using Secondary Address Coding. (e.g.,

ADVR1AB80.0\*;

ADVR1BB85.0\*)

DA, DB

AQFM                    D                    SOUND PROJECTOR TYPE

Definition: INDICATES THE SPECIFIC TYPE OF SOUND PROJECTOR PROVIDED.

Reply Instructions: Enter the applicable Reply Code from the table below. (e.g., AQFMDAW\*; AQFMDAR\$\$DAS\*)

<u>REPLY CODE</u>	<u>REPLY (AF31)</u>
A	ANY ACCEPTABLE
BK	BEEP
AP	BELL
BL	BUZZER
AQ	DIAPHRAGM
BM	GONG
AR	GRILL
AS	PLATE
AT	SPIRAL
AW	TRUMPET

DA\*, DB\*

ABHP                    J                    OVERALL LENGTH

Definition: THE DIMENSION MEASURED ALONG THE LONGITUDINAL AXIS WITH TERMINATED POINTS AT THE EXTREME ENDS OF THE ITEM.

Reply Instructions: Enter the applicable Reply Codes from Tables 1 and 2 below, followed by the numeric value. (e.g., ABHPJAA1.000\*; ABHPJLA25.4\*; ABHPJAB2.495\$\$JAC2.503\*)

<u>Table 1</u>	
<u>REPLY CODE</u>	<u>REPLY (AA05)</u>
A	INCHES
L	MILLIMETERS

FIIG T  
Section Parts

APP	MRC	Mode Code	Requirements
Key			

---

Table 2

REPLY CODE

A

B

C

REPLY (AC20)

NOMINAL

MINIMUM

MAXIMUM

DA\*, DB\*

ADAV            J            OVERALL DIAMETER

Definition: A MEASUREMENT OF THE LONGEST STRAIGHT LINE ACROSS A CIRCULAR CROSS-SECTIONAL PLANE.

Reply Instructions: Enter the applicable Reply Codes from Tables 1 and 2 below, followed by the numeric value. (e.g., ADAVJAA1.000\*; ADAVJLA25.4\*; ADAVJAB2.495\$\$JAC2.503\*)

Table 1

REPLY CODE

A

L

REPLY (AA05)

INCHES

MILLIMETERS

Table 2

REPLY CODE

A

B

C

REPLY (AC20)

NOMINAL

MINIMUM

MAXIMUM

DA\*, DB\*

ABMK            J            OVERALL WIDTH

Definition: AN OVERALL MEASUREMENT TAKEN AT RIGHT ANGLES TO THE LENGTH OF AN ITEM, IN DISTINCTION FROM THICKNESS.

Reply Instructions: Enter the applicable Reply Codes from Tables 1 and 2 below, followed by the numeric value. (e.g., ABMKJAA1.000\*; ABMKJLA25.4\*; ABMKJAB2.495\$\$JAC2.503\*)

Table 1

REPLY CODE

A

L

REPLY (AA05)

INCHES

MILLIMETERS

FIIG T  
Section Parts

APP	Key	MRC	Mode Code	Requirements
-----	-----	-----	-----------	--------------

---

Table 2

REPLY CODE

A

B

C

REPLY (AC20)

NOMINAL

MINIMUM

MAXIMUM

DA\*, DB\*

ABKW            J            OVERALL HEIGHT

Definition: THE DISTANCE MEASURED IN A STRAIGHT LINE FROM THE BOTTOM TO THE TOP OF AN ITEM.

Reply Instructions: Enter the applicable Reply Codes from Tables 1 and 2 below, followed by the numeric value. (e.g., ABKWJAA1.000\*; ABKWJLA25.4\*; ABKWJAB2.495\$\$JAC2.503\*)

Table 1

REPLY CODE

A

L

REPLY (AA05)

INCHES

MILLIMETERS

Table 2

REPLY CODE

A

B

C

REPLY (AC20)

NOMINAL

MINIMUM

MAXIMUM

DA\*, DB\*

AARA            A            TERMINAL QUANTITY

Definition: THE NUMBER OF TERMINALS FOR PROVIDING ELECTRICAL CONNECTIONS TO THE ITEM.

Reply Instructions: Enter the quantity. (e.g., AARAA5\*)

DA\*, DB\*

AARB            D            TERMINAL TYPE



FIIG T  
Section Parts

APP  
Key    MRC                    Mode Code    Requirements

Definition: INDICATES THE TYPE OF TERMINALS FOR PROVIDING ELECTRICAL CONNECTION TO THE ITEM.

Reply Instructions: Enter the applicable Reply Code from the table below. (e.g., AARBDBB\*; AARBDBE\$\$DFW\*)

<u>REPLY CODE</u>	<u>REPLY (AA58)</u>
A	ANY ACCEPTABLE
BQ	CONNECTOR, RECEPTACLE
BE	SCREW
LR	SNAP POST
FW	SOLDER LUG
LS	SPLIT STUD
FX	STUD
BB	WIRE LEAD

DA\*, DB\*

AHBY                    J                    TERMINAL THREAD SIZE AND SERIES/TYPE  
DESIGNATION

Definition: DESIGNATES THE THREAD DIAMETER, SERIES/TYPE, AND NUMBER OF THREADS PER MEASUREMENT SCALE FOR THE TERMINAL.

Reply Instructions: Enter the applicable Reply Code from [Appendix A](#), Table 6, followed by the appropriate size and threads per specific measurement scale.

(e.g., AHBYJNC1/4-20\*;

AHBYJNF10-32\*)

DA, DB

AQFN                    D                    MOUNTING BRACKET

Definition: AN INDICATION OF WHETHER OR NOT A MOUNTING BRACKET IS PROVIDED.

Reply Instructions: Enter the applicable Reply Code from the table below. (e.g., AQFNDB\*)

<u>REPLY CODE</u>	<u>REPLY (AB22)</u>
C	NOT PROVIDED
B	PROVIDED

FIIG T  
Section Parts

APP									
Key	MRC		Mode Code						Requirements

---

NOTE FOR MRCS ADAE, AAUB, ALFN, AGRJ, AND ALBJ: REPLY TO THESE MRCS, AS APPLICABLE, IF REPLY CODE B IS ENTERED FOR MRC AQFN. REPLY TO MRCS ADAE, AAUB, AND ALFN, AS APPLICABLE, IF REPLY CODE C IS ENTERED FOR MRC AQFN.

DA\*, DB\* (See Note Above)

ADAE	A	MOUNTING HOLE/STUD QUANTITY
------	---	-----------------------------

Definition: THE NUMBER OF HOLES/SLOTS OR STUDS PROVIDED FOR ATTACHING THE ITEM TO A SURFACE.

Reply Instructions: Enter the quantity. (e.g., ADAEA4\*)

DA\*, DB\* (See Note Preceding MRC ADAE)

AAUB	J	HOLE DIAMETER
------	---	---------------

Definition: THE LENGTH OF A STRAIGHT LINE WHICH PASSES THROUGH THE CENTER OF A HOLE, AND TERMINATES AT THE CIRCUMFERENCE.

Reply Instructions: Enter the applicable Reply Codes from Tables 1 and 2 below, followed by the numeric value. (e.g., AAUBJAA1.000\*; AAUBJLA25.4\*; AAUBJAB2.495\$\$JAC2.503\*)

Table 1

REPLY CODE

A

L

REPLY (AA05)

INCHES

MILLIMETERS

Table 2

REPLY CODE

A

B

C

REPLY (AC20)

NOMINAL

MINIMUM

MAXIMUM

DA\*, DB\* (See Note Preceding MRC ADAE)

ALFN	J	MOUNTING HOLE THREAD SIZE AND SERIES/TYPE DESIGNATOR
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FIIG T  
Section Parts

APP

Key	MRC	Mode Code	Requirements
-----	-----	-----------	--------------

---

Definition: DESIGNATES THE THREAD DIAMETER, SERIES/TYPE, AND NUMBER OF THREADS PER MEASUREMENT SCALE OF THE MOUNTING HOLE.

Reply Instructions: Enter the applicable Reply Code from [Appendix A](#), Table 6, followed by the appropriate size and threads per specific measurement scale.

(e.g., ALFNJNC1/4-20\*;

ALFNJNF10-32\*)

DA\*, DB\* (See Note Preceding MRC ADAE)

AGRJ	J	STUD DIAMETER
------	---	---------------

Definition: THE LENGTH OF A STRAIGHT LINE WHICH PASSES THROUGH THE CENTER OF A STUD, AND TERMINATES AT THE CIRCUMFERENCE.

Reply Instructions: Enter the applicable Reply Codes from Tables 1 and 2 below, followed by the numeric value. (e.g., AGRJJAA1.000\*; AGRJJLA25.4\*; AGRJJAB2.495\$\$JAC2.503\*)

Table 1

REPLY CODE

A

L

REPLY (AA05)

INCHES

MILLIMETERS

Table 2

REPLY CODE

A

B

C

REPLY (AC20)

NOMINAL

MINIMUM

MAXIMUM

DA\*, DB\* (See Note Preceding MRC ADAE)

ALBJ	J	STUD THREAD SIZE AND SERIES/TYPE DESIGNATOR
------	---	--

Definition: DESIGNATES THE THREAD DIAMETER, SERIES/TYPE, AND NUMBER OF THREADS PER MEASUREMENT SCALE OF THE STUD.

Reply Instructions: Enter the applicable Reply Code from [Appendix A](#), Table 6, followed by the appropriate size and threads per specific measurement scale.

FIIG T  
Section Parts

APP Key	MRC	Mode Code	Requirements
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(e.g., ALBJJNC1/4-20\*;

ALBJJNF10-32\*)

DA, DB

AJLF	D	HOUSING MATERIAL
------	---	------------------

Definition: THE ELEMENT, COMPOUND, OR MIXTURE OF WHICH THE HOUSING IS FABRICATED.

Reply Instructions: Enter the applicable Reply Code from [Appendix A](#), Table 2. (e.g., AJLFDDBR0000\*; AJLFDDBR0000\$SDNF0000\*; AJLFDALC0000\$DBR0000\*)

DA\*, DB\*

SURF	D	SURFACE TREATMENT
------	---	-------------------

Definition: CONSISTS OF PLATING, DIP, AND/OR COATING THAT CANNOT BE WIPED OFF. PLATING AND/OR COATING IS ANY CHEMICAL AND/OR METALLIC ADDITIVE, ELECTROCHEMICAL, OR MILD MECHANICAL PROCESS WHICH PROTECTS A SURFACE.

Reply Instructions: Enter the applicable Reply Code from [Appendix A](#), Table 1. (e.g., SURFDCDR000\*; SURFDCN0000\$SDZN0000\*; SURFDCDR0000\$DNFG000\*)

DB

CXKR	J	SIGNAL RATE
------	---	-------------

Definition: THE FREQUENCY OF AUDIBLE SIGNALS.

Reply Instructions: Enter the applicable Reply Code from the table below, followed by the quantity. (e.g., CXKRJBEP4\*)

<u>REPLY CODE</u>	<u>REPLY (AJ40)</u>
BEP	PER MINUTE
BEQ	PER WHEEL REVOLUTION

DA\*, DB\*

ANPZ	D	INCLOSURE FEATURE
------	---	-------------------

Definition: AN INDICATION OF THE FEATURE(S) OF THE INCLOSURE.

FIIG T  
Section Parts

APP			
Key	MRC	Mode Code	Requirements

---

Reply Instructions: Enter the applicable Reply Code from the table below. (e.g., ANPZDA\*; ANPZDAAE\$SDAAT\*)

<u>REPLY CODE</u>	<u>REPLY (AJ95)</u>
ADD	AIRTIGHT (incl gasproof, vaporproof, vaportight)
A	ANY ACCEPTABLE
AAE	DUSTPROOF
AAH	EXPLOSION PROOF (incl flametight)
ACH	SHOCK PROOF
ACJ	SPLASH PROOF
AAT	SPRAY TIGHT
AAX	WATERTIGHT (incl weather proof)

DA\*, DB\*

ADZC	D	ENVIRONMENTAL PROTECTION
------	---	--------------------------

Definition: THE ENVIRONMENTAL ELEMENTS OR CONDITIONS THAT AN ITEM IS DESIGNED OR PROTECTED TO RESIST OR WITHSTAND SATISFACTORILY.

Reply Instructions: Enter the applicable Reply Code from [Appendix A](#), Table 5. (e.g., ADZCDAJ\*; ADZCDJE\$SDGP\*)

FIIG T  
Section Parts

**SECTION: E**

APP

Key	MRC	Mode Code	Requirements
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---

ALL

NAME	D	ITEM NAME
------	---	-----------

Definition: A NOUN, WITH OR WITHOUT MODIFIERS, BY WHICH AN ITEM OF SUPPLY IS KNOWN.

Reply Instructions: Enter the applicable Item Name Code from the index appearing in the General Information Section. (e.g., NAMED12940\*)

EA, EB

APHE	D	OPERATION METHOD
------	---	------------------

Definition: THE MEANS USED TO OPERATE THE ITEM.

Reply Instructions: Enter the applicable Reply Code from the table below. (e.g., APHEDAA\*)

<u>REPLY CODE</u>	<u>REPLY (AC58)</u>
AA	AIR
A	ANY ACCEPTABLE
AAC	AUTOMATIC
AAL	ELECTRICAL
AAF	MANUAL
AAJ	MECHANICAL
BN	STEAM
DE	VACUUM

EA, EB\*

AEVK	J	PRESSURE RATING
------	---	-----------------

Definition: THE PRESSURE AT WHICH AN ITEM IS DESIGNED TO OPERATE.

Reply Instructions: Enter the applicable Reply Codes from Tables 1 and 2 below, followed by the numeric value. (e.g., AEVKJVA150.0\*; AEVKJVB150.0\$\$JVC200.0\*)

<u>Table 1</u>	
<u>REPLY CODE</u>	<u>REPLY (AB18)</u>
K	KILOGRAMS PER SQUARE CENTIMETER
V	POUNDS PER SQUARE INCH

FIIG T  
Section Parts

APP

Key	MRC	Mode Code	Requirements
-----	-----	-----------	--------------

Table 2

REPLY CODE

REPLY (AC20)

A

NOMINAL

B

MINIMUM

C

MAXIMUM

EA, EB

AQKY	D	SOUND UNIT TYPE
------	---	-----------------

Definition: INDICATES THE TYPE OF SOUND UNIT PROVIDED.

Reply Instructions: Enter the applicable Reply Code from the table below. (e.g., AQKYDAG\*)

REPLY CODE

REPLY (AG89)

A

ANY ACCEPTABLE

AG

MULTIPLE

AF

SINGLE

NOTE FOR MRCS NMBR AND AQKZ: REPLY TO MRCS NMBR AND AQKZ IF REPLY CODE AG IS ENTERED FOR MRC AQKY.

EA\*, EB\* (See Note Above)

NMBR	A	QUANTITY
------	---	----------

Definition: A NUMERIC VALUE WHICH REPRESENTS A POSITIVE WHOLE VALUE WITHOUT REGARD TO ANY UNIT OF MEASURE.

Reply Instructions: Enter the quantity. (e.g., NMBRA2\*)

EA\*, EB\* (See Note Preceding MRC NMBR)

AQKZ	D	INDIVIDUAL ENCASEMENT FEATURE
------	---	-------------------------------

Definition: AN INDICATION OF WHETHER OR NOT AN INDIVIDUAL ENCASEMENT FEATURE IS INCLUDED.

Reply Instructions: Enter the applicable Reply Code from the table below. (e.g., AQKZDB\*)

REPLY CODE

REPLY (AA49)

B

INCLUDED

FIIG T  
Section Parts

APP

Key	MRC	Mode Code	Requirements
-----	-----	-----------	--------------

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	C		NOT INCLUDED
--	---	--	--------------

EA, EB

AQLA	D	PROJECTOR TYPE
------	---	----------------

Definition: INDICATES THE TYPE OF PROJECTOR INCLUDED.

Reply Instructions: Enter the applicable Reply Code from the table below. (e.g., AQLADE\*)

<u>REPLY CODE</u>	<u>REPLY (AC46)</u>
A	ANY ACCEPTABLE
E	CURVED
C	STRAIGHT

EA, EB

AQLB	A	PROJECTOR QUANTITY
------	---	--------------------

Definition: THE NUMBER OF PROJECTORS PROVIDED.

Reply Instructions: Enter the quantity. (e.g., AQLBA5\*)

EA\*, EB\*

AQLC	J	PROJECTOR FLARE MAXIMUM OUTSIDE DIAMETER
------	---	---

Definition: THE MAXIMUM LENGTH OF A STRAIGHT LINE WHICH PASSES THROUGH THE CENTER OF THE PROJECTOR FLARE, AND TERMINATES AT THE OUTSIDE CIRCUMFERENCE.

Reply Instructions: Enter the applicable Reply Code from the table below, followed by the numeric value. (e.g., AQLCJA2.500\*; AQLCJL64.7\*)

<u>REPLY CODE</u>	<u>REPLY (AA05)</u>
A	INCHES
L	MILLIMETERS

EA, EB\*



FIIG T  
Section Parts

APP			
Key	MRC	Mode Code	Requirements

---

AQLD	J	PROJECTOR OVERALL LENGTH
------	---	--------------------------

Definition: A MEASUREMENT OF THE LONGEST DIMENSION OF THE PROJECTOR, IN DISTINCTION FROM WIDTH.

Reply Instructions: Enter the applicable Reply Codes from Tables 1 and 2 below, followed by the numeric value. (e.g., AQLDJAA1.000\*; AQLDJLA25.4\*; AQLDJAB2.495\$\$JAC2.503\*)

Table 1

REPLY CODE

A

L

REPLY (AA05)

INCHES

MILLIMETERS

Table 2

REPLY CODE

A

B

C

REPLY (AC20)

NOMINAL

MINIMUM

MAXIMUM

EA, EB

AQLK	A	SOUND SIGNAL DIRECTION QUANTITY
------	---	---------------------------------

Definition: THE NUMBER OF DIRECTIONS THE SOUND SIGNAL IS PROJECTED.

Reply Instructions: Enter the quantity. (e.g., AQLKA3\*)

EA, EB

AAXX	D	MOUNTING TYPE
------	---	---------------

Definition: INDICATES THE TYPE OF MOUNT UTILIZED TO SUPPORT THE ITEM.

Reply Instructions: Enter the applicable Reply Code from the table below. (e.g., AAXXDAAD\*)

REPLY CODE

AAD

AFE

CM

AFK

AEY

REPLY (AA78)

BRACKET

FLANGE MOUNTED

FLANGE PROJECTOR PEDESTAL

MAGNETIC

SLOTTED

FIIG T  
Section Parts

APP Key	MRC	Mode Code	Requirements
		CN	STUD PROJECTOR PEDESTAL
		AFB	TAPERED END
		ADE	THREADED HOLE
		ADF	THREADED STUD
		ADG	UNTHREADED HOLE

EA\*

ABTJ            A            MOUNTING HOLE QUANTITY

Definition: THE NUMBER OF MOUNTING HOLES PROVIDED.

Reply Instructions: Enter the quantity. (e.g., ABTJA5\*)

EA\*

ABKG            J            BOLT CIRCLE DIAMETER

Definition: THE LENGTH OF A STRAIGHT LINE WHICH PASSES THROUGH THE CENTER OF A BOLT CIRCLE, WITH TERMINATED POINTS AT THE CIRCUMFERENCE.

Reply Instructions: Enter the applicable Reply Codes from Tables 1 and 2 below, followed by the numeric value. (e.g., ABKGJAA1.000\*; ABKGJLA25.4\*; ABKGJAB2.495\$\$JAC2.503\*)

Table 1

REPLY CODE

A

L

REPLY (AA05)

INCHES

MILLIMETERS

Table 2

REPLY CODE

A

B

C

REPLY (AC20)

NOMINAL

MINIMUM

MAXIMUM

NOTE FOR MRCS AQLF AND AQLG: FOR APPLICABILITY KEY EA, REPLY TO MRCS AQLF AND AQLG IF REPLY CODE CN IS ENTERED FOR MRC AAXX.

EA\* (See Note Above)

AQLF            A            STUD THREAD SIZE

FIIG T  
Section Parts

APP			
Key	MRC	Mode Code	Requirements

---

Definition: DESIGNATES THE STUD THREAD DIAMETER AND NUMBER OF THREADS PER SPECIFIC MEASUREMENT SCALE.

Reply Instructions: Enter the numeric value.

(e.g., AQLFA1/2-20\*)

EA\* (See Note Preceding MRC AQLF)

AQLG	D	STUD THREAD SERIES
------	---	--------------------

Definition: A DESIGNATION INDICATING THE DIAMETER-PITCH COMBINATION AND THE NUMBER OF THREADS PER MEASUREMENT SCALE APPLIED TO A SERIES OF SPECIFIC DIAMETERS OF A STUD.

Reply Instructions: Enter the applicable Reply Code from [Appendix A](#), Table 6. (e.g., AQLGDNF\*)

EA\*, EB\*

AAYW	D	DISCHARGE CONNECTION TYPE
------	---	---------------------------

Definition: INDICATES THE TYPE OF DISCHARGE CONNECTION INCLUDED ON THE ITEM.

Reply Instructions: Enter the applicable Reply Code from the table below. (e.g., AAYWDAQ\*)

<u>REPLY CODE</u>	<u>REPLY (AA84)</u>
AQ	FLANGED
AJ	THREADED FEMALE
AK	THREADED MALE
AX	WEEP HOLE

EA\*, EB\*

AQLH	J	DISCHARGE CONNECTION SIZE
------	---	---------------------------

Definition: DESIGNATES THE SIZE OF THE DISCHARGE CONNECTION INCLUDED ON THE ITEM.

Reply Instructions: Enter the applicable Reply Code from the table below, followed by the numeric value. (e.g., AQLHJA0.125\*; AQLHJL8.7\*)

FIIG T  
Section Parts

APP

Key	MRC	Mode Code	Requirements
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---

REPLY CODE

A  
L

REPLY (AA05)

INCHES  
MILLIMETERS

EA\*, EB\*

AQLJ	D	DISCHARGE CONNECTION THREAD SERIES
------	---	------------------------------------

Definition: A DESIGNATION INDICATING THE DIAMETER-PITCH COMBINATION AND THE NUMBER OF THREADS PER MEASUREMENT SCALE APPLIED TO A SERIES OF SPECIFIC DIAMETERS OF THE DISCHARGE CONNECTION.

Reply Instructions: Enter the applicable Reply Code from [Appendix A](#), Table 6. (e.g., AQLJDNT\*)

EA

AQLR	D	VALVE OPERATION METHOD
------	---	------------------------

Definition: THE MEANS USED TO CONTROL THE OPERATION OF THE VALVE.

Reply Instructions: Enter the applicable Reply Code from the table below. (e.g., AQLRDCF\*)

REPLY CODE

CF  
BP

REPLY (AC58)

MANUAL  
SOLENOID

NOTE FOR MRCS AQLL, AQLM, AQLN, ACDC, ELEC, FREQ, AND AMPS: IF REPLY CODE CF IS ENTERED FOR MRC AQLR REPLY TO MRC AQLL AND AQLM. IF REPLY CODE BP IS ENTERED FOR MRC AQLR, REPLY TO MRC AQLN, ACDC, ELEC, FREQ, AND AMPS.

EA\* (See Note Above)

AQLL	D	MANUAL VALVE CHARACTERISTIC
------	---	-----------------------------

Definition: AN INDICATION OF THE CHARACTERISTIC OF THE MANUAL VALVE.

FIIG T  
Section Parts

APP			
Key	MRC	Mode Code	Requirements

---

Reply Instructions: Enter the applicable Reply Code from the table below. (e.g., AQLLDE\*)

<u>REPLY CODE</u>	<u>REPLY (AD15)</u>
E	ATTACHED
C	INTEGRAL

EA\* (See Note Preceding MRC AQLL)

AQLM            D            MANUAL VALVE LOCATION

Definition: INDICATES THE LOCATION OF THE MANUAL VALVE ON THE ITEM.

Reply Instructions: Enter the applicable Reply Code from the table below. (e.g., AQLMDADW\*)

<u>REPLY CODE</u>	<u>REPLY (AJ91)</u>
ADW	BODY TOP
ADX	INLET CONNECTION

EA\* (See Note Preceding MRC AQLL)

AQLN            D            SOLENOID VALVE TYPE

Definition: INDICATES THE TYPE OF SOLENOID VALVE PROVIDED WITH THE ITEM.

Reply Instructions: Enter the applicable Reply Code from the table below. (e.g., AQLNDAF\*)

<u>REPLY CODE</u>	<u>REPLY (AK38)</u>
AF	CONTROL
BP	PILOT

EA\*, EB\* (See Note Preceding MRC AQLL)

ACDC            D            CURRENT TYPE

Definition: INDICATES THE TYPE OF CURRENT WHETHER ALTERNATING, DIRECT, OR BOTH.

FIIG T  
Section Parts

APP Key	MRC	Mode Code	Requirements
------------	-----	-----------	--------------

---

Reply Instructions: Enter the applicable Reply Code from the table below. (e.g., ACDCDB\*)

Enter Reply Code D (AC/DC) only when the source document indicates the voltage rating is identical for both AC and DC.

REPLY CODE

B  
D  
C

REPLY (AB62)

AC  
AC/DC  
DC

EA\*, EB\* (See Note Preceding MRC AQLL)

ELEC	B	VOLTAGE IN VOLTS
------	---	------------------

Definition: THE TOTAL ELECTRICAL VOLTAGE.

Reply Instructions: Enter the numeric value. (e.g., ELECB110.0\*)

EA\*, EB\* (See Note Preceding MRC AQLL)

FREQ	B	FREQUENCY IN HERTZ
------	---	--------------------

Definition: THE CYCLES PER SECOND (HERTZ) OF THE ALTERNATING CURRENT.

Reply Instructions: Enter the numeric value. (e.g., FREQB60.0\*)

EA\*, EB\* (See Note Preceding MRC AQLL)

AMPS	B	CURRENT RATING IN AMPS
------	---	------------------------

Definition: THE ELECTRICAL CURRENT RATING, EXPRESSED IN AMPERES.

Reply Instructions: Enter the numeric value. (e.g., AMPSB3.0\*)

EB\*

FAAZ	D	PHASE
------	---	-------

Definition: THE NUMBER OF ALTERNATING CURRENT PHASES.

Reply Instructions: Enter the applicable Reply Code from the table below. (e.g., FAAZDB\*; FAAZDA\$DC\*; FAAZDA\$DC\*)

FIIG T  
Section Parts

APP  
Key

MRC

Mode Code

Requirements

REPLY CODE

A

C

B

REPLY (AD02)

SINGLE

THREE

TWO

EB

ALSF

D

INTERNAL BATTERY ACCOMMODATION

Definition: AN INDICATION OF WHETHER OR NOT A FACILITY(IES) TO ACCOMMODATE A BATTERY(IES) IS INCLUDED.

Reply Instructions: Enter the applicable Reply Code from the table below. (e.g., ALSFDB\*)

REPLY CODE

B

C

REPLY (AA49)

INCLUDED

NOT INCLUDED

EB

AFGA

J

OPERATING TEMP RANGE

Definition: THE MINIMUM AND MAXIMUM LIMITS OF TEMPERATURE AT WHICH THE ITEM IS RATED FOR OPERATION.

Reply Instructions: Enter the applicable Reply Code from the table below, followed by the numeric values separated by a slash. Precede values below zero with M and values at or above zero with P. (e.g., AFGAJCM40.0/P85.0\*)

REPLY CODE

C

F

REPLY (AB36)

DEG CELSIUS

DEG FAHRENHEIT

EB

AQFK

G

LOUDNESS LEVEL IN DECIBELS

Definition: THE LEVEL OF A SIGNAL OR SOUND RELATIVE TO A SPECIFIC DISTANCE, EXPRESSED IN DECIBELS.

Reply Instructions: Enter the reply in clear text. (e.g., AQFKG116 DB AT 10 FT\*)

FIIG T  
Section Parts

APP Key	MRC	Mode Code	Requirements
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---

EB

AQFL	A	SOUND PROJECTOR QUANTITY
------	---	--------------------------

Definition: THE NUMBER OF SOUND PROJECTORS PROVIDED.

Reply Instructions: Enter the quantity. (e.g., AQFLA2\*)

NOTE FOR MRCS ARCJ AND ADVR: REPLY TO MRCS ARCJ AND ADVR IF REPLY TO MRC AQFL IS MORE THAN ONE (1).

EB\* (See Note Above)

ARCJ	D	SOUND PROJECTOR DIRECTION DESIGN
------	---	----------------------------------

Definition: THE PROJECTED SOUND EMISSION ANGLE FOR WHICH THE ITEM IS DESIGNED.

Reply Instructions: Enter the applicable Reply Code from the table below. (e.g., ARCJDAD\*)

<u>REPLY CODE</u>	<u>REPLY (AK50)</u>
AE	DEGREE ADJUSTMENT RANGE
AD	DEGREE INCLUDED ANGLE
AF	PARALLEL

EB\* (See Note Preceding MRC ARCJ)

ADVR	B	ANGLE IN DEG
------	---	--------------

Definition: THE ANGLE FORMED BY THE ANGULAR PORTION OF THE ITEM, EXPRESSED IN DEGREES.

Reply Instructions: See [Appendix B](#), Reference Drawing Group A, for Angle Illustration (e.g., ADVRB90.0\*) . If adjustable, enter the range dimension using Secondary Address Coding. (e.g.,

ADVR1AB80.0\*;

ADVR1BB85.0\*)

EB\*

AQFM	D	SOUND PROJECTOR TYPE
------	---	----------------------



FIIG T  
Section Parts

APP			
Key	MRC	Mode Code	Requirements

---

Definition: INDICATES THE SPECIFIC TYPE OF SOUND PROJECTOR PROVIDED.

Reply Instructions: Enter the applicable Reply Code from the table below. (e.g., AQFMDAW\*; AQFMDAR\$\$DAG\*)

<u>REPLY CODE</u>	<u>REPLY (AF31)</u>
A	ANY ACCEPTABLE
BK	BEEP
AP	BELL
BL	BUZZER
AQ	DIAPHRAGM
BM	GONG
AR	GRILL
AG	PLATE
AT	SPIRAL
AW	TRUMPET

EB\*

AARA	A	TERMINAL QUANTITY
------	---	-------------------

Definition: THE NUMBER OF TERMINALS FOR PROVIDING ELECTRICAL CONNECTION TO THE ITEM.

Reply Instructions: Enter the quantity. (e.g., AARAA5\*)

EB\*

AARB	D	TERMINAL TYPE
------	---	---------------

Definition: INDICATES THE TYPE OF TERMINALS FOR PROVIDING ELECTRICAL CONNECTION TO THE ITEM.

Reply Instructions: Enter the applicable Reply Code from the table below. (e.g., AARBDBB\*; AARBDBE\$\$DFW\*)

<u>REPLY CODE</u>	<u>REPLY (AA58)</u>
A	ANY ACCEPTABLE
BQ	CONNECTOR, RECEPTACLE
BE	SCREW
LR	SNAP POST
FW	SOLDER LUG
LS	SPLIT STUD
FX	STUD

FIIG T  
Section Parts

APP Key	MRC	Mode Code	Requirements
		BB	WIRE LEAD

EB\*

AHBY            J            TERMINAL THREAD SIZE AND SERIES/TYPE  
DESIGNATOR

Definition: DESIGNATES THE THREAD DIAMETER, SERIES/TYPE, AND  
NUMBER OF THREADS PER MEASUREMENT SCALE FOR THE TERMINAL.

Reply Instructions: Enter the applicable Reply Code from [Appendix A](#), Table 6,  
followed by the appropriate size and threads per specific measurement scale.

(e.g., AHBYJNC1/4-20\*;

AHBYJNF10-32\*)

EB

AQFN            D            MOUNTING BRACKET

Definition: AN INDICATION OF WHETHER OR NOT A MOUNTING BRACKET  
IS PROVIDED.

Reply Instructions: Enter the applicable Reply Code from the table below. (e.g.,  
AQFNDB\*)

<u>REPLY CODE</u>	<u>REPLY (AB22)</u>
C	NOT PROVIDED
B	PROVIDED

NOTE FOR MRCS ADAE, AAUB, ALFN, AGRJ, AND ALBJ: FOR APPLICABILITY  
KEY EB, REPLY TO THESE MRCS, AS APPLICABLE, IF REPLY CODE B IS ENTERED  
FOR MRC AQFN. FOR APPLICABILITY KEY EB, REPLY TO MRCS ADAE, AAUB,  
AND ALFN, AS APPLICABLE, IF REPLY CODE C IS ENTERED FOR MRC AQFN.

EB\* (See Note Above)

ADAE            A            MOUNTING HOLE/STUD QUANTITY

Definition: THE NUMBER OF HOLES/SLOTS OR STUDS PROVIDED FOR  
ATTACHING THE ITEM TO A SURFACE.

FIIG T  
Section Parts

APP			
Key	MRC	Mode Code	Requirements

---

Reply Instructions: Enter the quantity. (e.g., ADAEA4\*)

EA\*, EB\* (See Note Preceding MRC ADAE)

AAUB            J            HOLE DIAMETER

Definition: THE LENGTH OF A STRAIGHT LINE WHICH PASSES THROUGH THE CENTER OF A HOLE, AND TERMINATES AT THE CIRCUMFERENCE.

Reply Instructions: Enter the applicable Reply Codes from Tables 1 and 2 below, followed by the numeric value. (e.g., AAUBJAA1.000\*; AAUBJLA25.4\*; AAUBJAB2.495\$\$JAC2.503\*)

Table 1

REPLY CODE

A

L

REPLY (AA05)

INCHES

MILLIMETERS

Table 2

REPLY CODE

A

B

C

REPLY (AC20)

NOMINAL

MINIMUM

MAXIMUM

EB\* (See Note Preceding MRC ADAE)

ALFN            J            MOUNTING HOLE THREAD SIZE AND  
SERIES/TYPE DESIGNATOR

Definition: DESIGNATES THE THREAD DIAMETER, SERIES/TYPE, AND NUMBER OF THREADS PER MEASUREMENT SCALE OF THE MOUNTING HOLE.

Reply Instructions: Enter the applicable Reply Code from [Appendix A](#), Table 6, followed by the appropriate size and threads per specific measurement scale.

(e.g., ALFNJNC1/4-20\*;

ALFNJNF10-32\*)

EB\* (See Note Preceding MRC ADAE)

AGRJ            J            STUD DIAMETER

FIIG T  
Section Parts

APP			
Key	MRC	Mode Code	Requirements

---

Definition: THE LENGTH OF A STRAIGHT LINE WHICH PASSES THROUGH THE CENTER OF A STUD, AND TERMINATES AT THE CIRCUMFERENCE.

Reply Instructions: Enter the applicable Reply Codes from Tables 1 and 2 below, followed by the numeric value. (e.g., AGRJJAA1.000\*; AGRJJLA25.4\*; AGRJJAB2.495\$\$JAC2.503\*)

Table 1

REPLY CODE

A

L

REPLY (AA05)

INCHES

MILLIMETERS

Table 2

REPLY CODE

A

B

C

REPLY (AC20)

NOMINAL

MINIMUM

MAXIMUM

EB\* (See Note Preceding MRC ADAE)

ALBJ	J	STUD THREAD SIZE AND SERIES/TYPE DESIGNATOR
------	---	--

Definition: DESIGNATES THE THREAD DIAMETER, SERIES/TYPE, AND NUMBER OF THREADS PER MEASUREMENT SCALE OF THE STUD.

Reply Instructions: Enter the applicable Reply Code from [Appendix A](#), Table 6, followed by the appropriate size and threads per specific measurement scale.

(e.g., ALBJJNC1/4-20\*;

ALBJJNF10-32\*)

EB

AJLF	D	HOUSING MATERIAL
------	---	------------------

Definition: THE ELEMENT, COMPOUND, OR MIXTURE OF WHICH THE HOUSING IS FABRICATED.

Reply Instructions: Enter the applicable Reply Code from [Appendix A](#), Table 2. (e.g., AJLFDDBR0000\*; AJLFDDBR0000\$\$DNF0000\*; AJLFDALC000\$DBR0000\*)

EB\*

FIIG T  
Section Parts

APP  
Key

MRC

Mode Code

Requirements

---

ANPZ                      D                      INCLOSURE FEATURE

Definition: AN INDICATION OF THE FEATURE(S) OF THE INCLOSURE.

Reply Instructions: Enter the applicable Reply Code from the table below. (e.g., ANPZDA\*; ANPZDAAE\$\$DAAT\*)

<u>REPLY CODE</u>	<u>REPLY (AJ95)</u>
ADD	AIRTIGHT (incl gasproof, vaporproof, vaportight)
A	ANY ACCEPTABLE
AAE	DUSTPROOF
AAH	EXPLOSION PROOF (incl flametight)
ACH	SHOCK PROOF
ACJ	SPLASH PROOF
AAT	SPRAY TIGHT
AAX	WATERTIGHT (incl weather proof)

EA

AQLP                      D                      STEAM JACKETED BODY

Definition: AN INDICATION OF WHETHER OR NOT A STEAM JACKETED BODY IS PROVIDED.

Reply Instructions: Enter the applicable Reply Code from the table below. (e.g., AQLPDB\*)

<u>REPLY CODE</u>	<u>REPLY (AB22)</u>
C	NOT PROVIDED
B	PROVIDED

EA\*

AQLQ                      D                      COMPRESSOR-MOTOR UNIT CURRENT TYPE

Definition: INDICATES THE TYPE OF CURRENT WHICH OPERATES THE COMPRESSOR-MOTOR UNIT.

Reply Instructions: Enter the applicable Reply Code from the table below. (e.g., AQLQDB\*; AQLQDB\$\$DC\*)

<u>REPLY CODE</u>	<u>REPLY (AB62)</u>
B	AC

FIIG T  
Section Parts

APP Key	MRC	Mode Code	Requirements
		C	DC

NOTE FOR MRC AMSE: IF A REPLY IS ENTERED FOR MRC AQLQ, REPLY TO MRC AMSE.

EA\* (See Note Above)

AMSE            J            VOLTAGE RATING

Definition: THE VALUE(S) OF POTENTIAL FOR WHICH THE ITEM IS RATED.

Reply Instructions: Enter the applicable Reply Codes from Tables 1 and 2 below, followed by the numeric value. (e.g., AMSEJVA110.0\*)

When a voltage range is specified for more than one current, use Secondary Address Coding and AND coding (\$\$). Secondary Address Coding will be used to separate current types and AND coding to separate values. (e.g.,

AMSE1AJVB110.0\$\$JVC220.0\*;

AMSE1BJVB12.0\$\$JVC18.0\*)

Table 1

REPLY CODE

K  
M  
U  
L  
V

REPLY (AB63)

KILOVOLTS  
MEGAVOLTS  
MICROVOLTS  
MILLIVOLTS  
VOLTS

Table 2

REPLY CODE

A  
B  
C

REPLY (AC20)

NOMINAL  
MINIMUM  
MAXIMUM

EA\*, EB\*

SURF            D            SURFACE TREATMENT

Definition: CONSISTS OF PLATING, DIP, AND/OR COATING THAT CANNOT BE WIPE OFF. PLATING AND/OR COATING IS ANY CHEMICAL AND/OR METALLIC ADDITIVE, ELECTROCHEMICAL, OR MILD MECHANICAL PROCESS WHICH PROTECTS A SURFACE.

FIIG T  
Section Parts

APP			
Key	MRC	Mode Code	Requirements

---

Reply Instructions: Enter the applicable Reply Code from [Appendix A](#), Table 1. (e.g., SURFDCHC000\*; SURFDLQ0000\$DPN0000\*; SURFDCHC000\$DNFG000\*)

NOTE FOR MRC HUES: IF REPLY CODE PN0000 IS ENTERED FOR MRC SURF, REPLY TO MRC HUES.

EA\*, EB\* (See Note Above)

HUES	D	COLOR
------	---	-------

Definition: A CHARACTERISTIC OF LIGHT THAT CAN BE SPECIFIED IN TERMS OF LUMINANCE, DOMINANT WAVELIGHT, AND PURITY.

Reply Instructions: Enter the applicable Reply Code from the table below. (e.g., HUESDLD0000\*)

<u>REPLY CODE</u>	<u>REPLY (AD06)</u>
A	ANY ACCEPTABLE
LD0000	OLIVE DRAB

EA\*, EB\*

ABHP	J	OVERALL LENGTH
------	---	----------------

Definition: THE DIMENSION MEASURED ALONG THE LONGITUDINAL AXIS WITH TERMINATED POINTS AT THE EXTREME ENDS OF THE ITEM.

Reply Instructions: Enter the applicable Reply Codes from Tables 1 and 2 below, followed by the numeric value. (e.g., ABHPJAA1.000\*; ABHPJLA25.4\*; ABHPJAB2.495\$\$JAC2.503\*)

<u>Table 1</u>	
<u>REPLY CODE</u>	<u>REPLY (AA05)</u>
A	INCHES
L	MILLIMETERS

<u>Table 2</u>	
<u>REPLY CODE</u>	<u>REPLY (AC20)</u>
A	NOMINAL
B	MINIMUM
C	MAXIMUM

FIIG T  
Section Parts

APP			
Key	MRC	Mode Code	Requirements

---

EA\*, EB\*

ADAV            J            OVERALL DIAMETER

Definition: A MEASUREMENT OF THE LONGEST STRAIGHT LINE ACROSS A CIRCULAR CROSS-SECTIONAL PLANE.

Reply Instructions: Enter the applicable Reply Codes from Tables 1 and 2 below, followed by the numeric value. (e.g., ADAVJAA1.000\*; ADAVJLA25.4\*; ADAVJAB2.495\$\$JAC2.503\*)

Table 1

REPLY CODE

A

L

REPLY (AA05)

INCHES

MILLIMETERS

Table 2

REPLY CODE

A

B

C

REPLY (AC20)

NOMINAL

MINIMUM

MAXIMUM

EA\*, EB\*

ABMK            J            OVERALL WIDTH

Definition: AN OVERALL MEASUREMENT TAKEN AT RIGHT ANGLES TO THE MEASURED LENGTH OF AN ITEM, IN DISTINCTION FROM THICKNESS.

Reply Instructions: Enter the applicable Reply Codes from Tables 1 and 2 below, followed by the numeric value. (e.g., ABMKJAA1.000\*; ABMKJLA25.4\*; ABMKJAB2.495\$\$JAC2.503\*)

Table 1

REPLY CODE

A

L

REPLY (AA05)

INCHES

MILLIMETERS

Table 2

REPLY CODE

A

B

C

REPLY (AC20)

NOMINAL

MINIMUM

MAXIMUM



FIIG T  
Section Parts

APP									
Key	MRC		Mode Code						Requirements

---

EA\*, EB\*

ABKW            J            OVERALL HEIGHT

Definition: THE DISTANCE MEASURED IN A STRAIGHT LINE FROM THE BOTTOM TO THE TOP OF AN ITEM.

Reply Instructions: Enter the applicable Reply Codes from Tables 1 and 2 below, followed by the numeric value. (e.g., ABKWJAA1.000\*; ABKWJLA25.4\*; ABKWJAB2.495\$\$JAC2.503\*)

Table 1

REPLY CODE

A

L

REPLY (AA05)

INCHES

MILLIMETERS

Table 2

REPLY CODE

A

B

C

REPLY (AC20)

NOMINAL

MINIMUM

MAXIMUM

EB\*

ADZC            D            ENVIRONMENTAL PROTECTION

Definition: THE ENVIRONMENTAL ELEMENTS OR CONDITIONS THAT AN ITEM IS DESIGNED OR PROTECTED TO RESIST OR WITHSTAND SATISFACTORILY.

Reply Instructions: Enter the applicable Reply Code from [Appendix A](#), Table 5. (e.g., ADZCDAJ\*; ADZCDJE\$\$DGP\*)

FIIG T  
Section Parts

**SECTION: F**

APP

Key	MRC	Mode Code	Requirements
-----	-----	-----------	--------------

ALL

NAME	D	ITEM NAME
------	---	-----------

Definition: A NOUN, WITH OR WITHOUT MODIFIERS, BY WHICH AN ITEM OF SUPPLY IS KNOWN.

Reply Instructions: Enter the applicable Item Name Code from the index appearing in the General Information Section. (e.g., NAMED00140\*)

FA

AMPJ	D	MOTOR
------	---	-------

Definition: AN INDICATION OF WHETHER OR NOT A MOTOR IS INCLUDED.

Reply Instructions: Enter the applicable Reply Code from the table below. (e.g., AMPJDB\*)

<u>REPLY CODE</u>	<u>REPLY (AA49)</u>
B	INCLUDED
C	NOT INCLUDED

FA\*

ACDC	D	CURRENT TYPE
------	---	--------------

Definition: INDICATES THE TYPE OF CURRENT WHETHER ALTERNATING, DIRECT, OR BOTH.

Reply Instructions: Enter the applicable Reply Code from the table below. (e.g., ACDCDB\*; ACDCDB\$\$DC\*)

<u>REPLY CODE</u>	<u>REPLY (AB62)</u>
B	AC
D	AC/DC
C	DC

FA\*

ELEC	B	VOLTAGE IN VOLTS
------	---	------------------

FIIG T  
Section Parts

APP									
Key	MRC		Mode Code						Requirements

---

Definition: THE TOTAL ELECTRICAL VOLTAGE.

Reply Instructions: Enter the numeric value (e.g., ELECB115.0\*) . If multiple voltages represents AC and DC current, use Secondary Address Coding entering AC first. (e.g.,

ELEC1AB220.0\*;

ELEC1BB12.0\*)

FA\*

ACZB	J	FREQUENCY RATING
------	---	------------------

Definition: THE NUMBER OF COMPLETE CYCLIC CHANGES, PER UNIT OF TIME, FOR WHICH AN ITEM IS RATED.

Reply Instructions: Enter the applicable Reply Codes from Tables 1 and 2 below, followed by the numeric value. (e.g., ACZBJEA60.0\*; ACZBJEB60.0\$\$JEC90.0\*)

Table 1

REPLY CODE

G

E

K

M

REPLY (AC32)

GIGAHERTZ

HERTZ

KILOHERTZ

MEGAHERTZ

Table 2

REPLY CODE

A

B

C

REPLY (AC20)

NOMINAL

MINIMUM

MAXIMUM

FA\*

FAAZ	D	PHASE
------	---	-------

Definition: THE NUMBER OF ALTERNATING CURRENT PHASES.

Reply Instructions: Enter the applicable Reply Code from the table below. (e.g., FAAZDB\*; FAAZDA\$\$DC\*)

REPLY CODE

A

C

B

REPLY (AD02)

SINGLE

THREE

TWO

FIIG T  
Section Parts

APP Key	MRC	Mode Code	Requirements
<hr/>			
FA*			
	AHZX	B	PRIME MOVER HORSEPOWER RATING
	Definition: THE RATED HORSEPOWER OF THE PRIME MOVER.		
	Reply Instructions: Enter the numeric value. (e.g., AHZXB5.0*)		
FA*			
	AEQC	B	OPERATING SPEED AT RATED CAPACITY IN RPM
	Definition: THE SPEED OF THE DRIVE SHAFT REQUIRED TO PRODUCE THE RATED CAPACITY OF AN ITEM EXPRESSED IN REVOLUTIONS PER MINUTE.		
	Reply Instructions: Enter the numeric value. (e.g., AEQCB1750.0*)		
FA*			
	ABJL	B	WATTAGE RATING IN WATTS
	Definition: THE RATED POWER THAT AN ITEM CAN SAFELY CONSUME OR PROVIDE, MEASURED IN WATTS.		
	Reply Instructions: Enter the numeric value. (e.g., ABJLB10000.0*)		
FA*			
	AARA	A	TERMINAL QUANTITY
	Definition: THE NUMBER OF TERMINALS FOR PROVIDING ELECTRICAL CONNECTION TO THE ITEM.		
	Reply Instructions: Enter the quantity. (e.g., AARAA2*)		
FA*			
	AARB	D	TERMINAL TYPE
	Definition: INDICATES THE TYPE OF TERMINALS FOR PROVIDING ELECTRICAL CONNECTION TO THE ITEM.		

FIIG T  
Section Parts

APP Key	MRC	Mode Code	Requirements
------------	-----	-----------	--------------

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Reply Instructions: Enter the applicable Reply Code from the table below. (e.g., AARBDLR\*)

<u>REPLY CODE</u>	<u>REPLY (AA58)</u>
A	ANY ACCEPTABLE
BE	SCREW
LR	SNAP POST
LS	SPLIT STUD
FX	STUD
BB	WIRE LEAD

FA

AQLS	D	RESONANCE FEATURE
------	---	-------------------

Definition: AN INDICATION OF WHETHER OR NOT A FEATURE IS INCLUDED TO CAUSE THE ITEM TO RESONATE.

Reply Instructions: Enter the applicable Reply Code from the table below. (e.g., AQLSDB\*)

<u>REPLY CODE</u>	<u>REPLY (AA49)</u>
B	INCLUDED
C	NOT INCLUDED

FA

AQLT	D	LIGHT
------	---	-------

Definition: AN INDICATION OF WHETHER OR NOT A LIGHT IS PROVIDED.

Reply Instructions: Enter the applicable Reply Code from the table below. (e.g., AQLTDC\*)

<u>REPLY CODE</u>	<u>REPLY (AB22)</u>
C	NOT PROVIDED
B	PROVIDED

NOTE FOR MRCS AQLW AND AEYM: IF REPLY CODE B IS ENTERED FOR MRC AQLT, REPLY TO MRCS AQLW AND AEYM.

FIIG T  
Section Parts

APP									
Key	MRC		Mode Code						Requirements

---

FA\* (See Note Above)

AQLW                      D                      LIGHT LOCATION

Definition: INDICATES THE LOCATION OF THE LIGHT.

Reply Instructions: Enter the applicable Reply Code from [Appendix A](#), Table 3. (e.g., AQLWDABC\*)

FA\* (See Note Preceding MRC AQLW)

AEYM                      D                      LIGHT BEAM MOTION

Definition: THE PATTERN OF MOTION OF THE LIGHT BEAM WHEN IN OPERATION.

Reply Instructions: Enter the applicable Reply Code from the table below. (e.g., AEYMDB\*)

REPLY CODE

B  
F

REPLY (AD55)

FIXED  
FLASHING

FA

AQLX                      D                      BRAKING FACILITY

Definition: AN INDICATION OF WHETHER OR NOT A BRAKING FACILITY(IES) IS INCLUDED.

Reply Instructions: Enter the applicable Reply Code from the table below. (e.g., AQLXDB\*)

REPLY CODE

B  
C

REPLY (AA49)

INCLUDED  
NOT INCLUDED

FA\*

ANNQ                      H                      MATERIAL AND LOCATION

FIIG T  
Section Parts

APP

Key	MRC	Mode Code	Requirements
-----	-----	-----------	--------------

---

Definition: THE ELEMENT, COMPOUND, OR MIXTURE OF WHICH THE ITEM IS FABRICATED EXCLUDING ANY SURFACE TREATMENT, AND IT'S LOCATION.

Reply Instructions: Enter the applicable Reply Codes from [Appendix A](#), Tables 2 and 3 respectively. (e.g., ANNQHAL0000ABK\*; ANNQHST0000ABC\$\$HBR0000ABC\*)

Mode Code K is not authorized for this requirements.

When multiple or optional materials are specified for more than one location, use Secondary Address Coding and AND/OR (\$\$/ \$)coding. Secondary Address Coding will be used to separate multiple locations and AND/OR (\$\$/ \$) to separate materials. (e.g.,

ANNQ1AHMEC000AEB\$HST0000AEB\*;

ANNQ1BHST0000AEA\$HSTL000AEA\*)

FA\*

ANNR	H	SURFACE TREATMENT AND LOCATION
------	---	--------------------------------

Definition: THE PLATING, DIP, AND/OR COATING THAT CANNOT BE WIPED OFF. PLATING AND/OR COATING IS ANY CHEMICAL AND/OR METALLIC ADDITIVE, ELECTROCHEMICAL, OR MILD MECHANICAL PROCESS WHICH PROTECTS THE SURFACE OF THE ITEM, AND IT'S LOCATION.

Reply Instructions: Enter the applicable Reply Codes from [Appendix A](#), Tables 1 and 3 respectively. (e.g., ANNRHCH0000AEB\*; ANNRHCN0000AEB\$\$HENW000AEB\*)

Mode Code K is not authorized for this requirements.

When multiple or optional surface treatments are specified for more than one location, use Secondary Address Coding and AND/OR (\$\$/ \$)coding. Secondary Address Coding will be used to separate multiple locations and AND/OR (\$\$/ \$) to separate surface treatments. (e.g.,

ANNR1AHCH0000ABC\$HCHC000ABC\*;

ANNR1BHCN0000ABJ\$\$HENW000ABJ\*)

FA\*

FIIG T  
Section Parts

APP  
Key

MRC

Mode Code

Requirements

ABFY

J

OVERALL DEPTH

Definition: AN OVERALL MEASUREMENT BETWEEN SPECIFIED POINTS OF AN ITEM, IN DISTINCTION FROM HEIGHT.

Reply Instructions: Enter the applicable Reply Codes from Tables 1 and 2 below, followed by the numeric value. (e.g., ABFYJAA1.000\*; ABFYJLA25.4\*; ABFYJAB2.495\$\$JAC2.503\*)

Table 1

REPLY CODE

A

L

REPLY (AA05)

INCHES

MILLIMETERS

Table 2

REPLY CODE

A

B

C

REPLY (AC20)

NOMINAL

MINIMUM

MAXIMUM

FA\*

ABHP

J

OVERALL LENGTH

Definition: THE DIMENSION MEASURED ALONG THE LONGITUDINAL AXIS WITH TERMINATED POINTS AT THE EXTREME ENDS OF THE ITEM.

Reply Instructions: Enter the applicable Reply Codes from Tables 1 and 2 below, followed by the numeric value. (e.g., ABHPJAA1.000\*; ABHPJLA25.4\*; ABHPJAB2.495\$\$JAC2.503\*)

Table 1

REPLY CODE

A

L

REPLY (AA05)

INCHES

MILLIMETERS

Table 2

REPLY CODE

A

B

C

REPLY (AC20)

NOMINAL

MINIMUM

MAXIMUM

FA\*



FIIG T  
Section Parts

APP  
Key

MRC

Mode Code

Requirements

ABMK

J

OVERALL WIDTH

Definition: AN OVERALL MEASUREMENT TAKEN AT RIGHT ANGLES TO THE MEASURED LENGTH OF AN ITEM, IN DISTINCTION FROM THICKNESS.

Reply Instructions: Enter the applicable Reply Codes from Tables 1 and 2 below, followed by the numeric value. (e.g., ABMKJAA1.000\*; ABMKJLA25.4\*; ABMKJAB2.495\$\$JAC2.503\*)

Table 1

REPLY CODE

A

L

REPLY (AA05)

INCHES

MILLIMETERS

Table 2

REPLY CODE

A

B

C

REPLY (AC20)

NOMINAL

MINIMUM

MAXIMUM

FA\*

ADAV

J

OVERALL DIAMETER

Definition: A MEASUREMENT OF THE LONGEST STRAIGHT LINE ACROSS A CIRCULAR CROSS-SECTIONAL PLANE.

Reply Instructions: Enter the applicable Reply Codes from Tables 1 and 2 below, followed by the numeric value. (e.g., ADAVJAA1.000\*; ADAVJLA25.4\*; ADAVJAB2.495\$\$JAC2.503\*)

Table 1

REPLY CODE

A

L

REPLY (AA05)

INCHES

MILLIMETERS

Table 2

REPLY CODE

A

B

C

REPLY (AC20)

NOMINAL

MINIMUM

MAXIMUM

FA\*

FIIG T  
Section Parts

APP  
Key

MRC

Mode Code

Requirements

ABKW

J

OVERALL HEIGHT

Definition: THE DISTANCE MEASURED IN A STRAIGHT LINE FROM THE BOTTOM TO THE TOP OF AN ITEM.

Reply Instructions: Enter the applicable Reply Codes from Tables 1 and 2 below, followed by the numeric value. (e.g., ABKWJAA1.000\*; ABKWJLA25.4\*; ABKWJAB2.495\$\$JAC2.503\*)

Table 1

REPLY CODE

A

L

REPLY (AA05)

INCHES

MILLIMETERS

Table 2

REPLY CODE

A

B

C

REPLY (AC20)

NOMINAL

MINIMUM

MAXIMUM

FA\*

ADJH

D

MOUNTING METHOD

Definition: THE MEANS OF ATTACHING THE ITEM.

Reply Instructions: Enter the applicable Reply Code from the table below. (e.g., ADJHDAB\*)

REPLY CODE

A

AB

AF

PB

REPLY (AB89)

ANY ACCEPTABLE

BRACKET

FLANGE

PEDESTAL

FA\*

ALGC

G

MOUNTING CONFIGURATION

Definition: THE PATTERN OR ARRANGEMENT THAT DESCRIBES THE MOUNTING CONFIGURATION OF THE ITEM.

Reply Instructions: Enter the reply in clear text.

FIIG T  
Section Parts

APP

Key MRC Mode Code Requirements

---

(e.g., ALGCGTWO 5/16 IN. DIA. MTG HOLES SPACED 4-1/2 IN. C TO C\*)

FA\*

ANPZ D INCLOSURE FEATURE

Definition: AN INDICATION OF THE FEATURE(S) OF THE INCLOSURE.

Reply Instructions: Enter the applicable Reply Code from the table below. (e.g., ANPZDAAX\*)

REPLY CODE

A  
AAE  
AAH  
ACJ  
AAX  
ADE

REPLY (AJ95)

ANY ACCEPTABLE  
DUSTPROOF  
EXPLOSION PROOF  
SPLASH PROOF  
WATERTIGHT  
WEATHERPROOF

FIIG T  
Section Parts

**SECTION: G**

APP

Key	MRC	Mode Code	Requirements
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ALL

NAME	D	ITEM NAME
------	---	-----------

Definition: A NOUN, WITH OR WITHOUT MODIFIERS, BY WHICH AN ITEM OF SUPPLY IS KNOWN.

Reply Instructions: Enter the applicable Item Name Code from the index appearing in the General Information Section. (e.g., NAMED14636\*)

GA\*

ACDC	D	CURRENT TYPE
------	---	--------------

Definition: INDICATES THE TYPE OF CURRENT WHETHER ALTERNATING, DIRECT, OR BOTH.

Reply Instructions: Enter the applicable Reply Code from the table below. (e.g., ACDCDB\*; ACDCDB\$\$DC\*)

<u>REPLY CODE</u>	<u>REPLY (AB62)</u>
B	AC
D	AC/DC
C	DC

GA\*

ELEC	B	VOLTAGE IN VOLTS
------	---	------------------

Definition: THE TOTAL ELECTRICAL VOLTAGE.

Reply Instructions: Enter the numeric value (e.g., ELECB110.0\$B220.0\*). Enter multiple replies using Secondary Address Coding. (e.g.,

ELEC1AB110.0\*;

ELEC1BB12.0\*)

GA\*

FREQ	B	FREQUENCY IN HERTZ
------	---	--------------------

FIIG T  
Section Parts

APP	Key	MRC	Mode Code	Requirements
-----	-----	-----	-----------	--------------

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Definition: THE CYCLES PER SECOND (HERTZ) OF THE ALTERNATING CURRENT.

Reply Instructions: Enter the numeric value (e.g., FREQB60.0\*). Enter multiple replies using Secondary Address Coding. (e.g.,

FREQ1AB60.0\*;

FREQ1BB90.0\*)

GA\*

FAAZ	D	PHASE
------	---	-------

Definition: THE NUMBER OF ALTERNATING CURRENT PHASES.

Reply Instructions: Enter the applicable Reply Code from the table below. (e.g., FAAZDA\*; FAAZDA\$\$DC\*)

REPLY CODE

A  
C  
B

REPLY (AD02)

SINGLE  
THREE  
TWO

GA\*

ADJH	D	MOUNTING METHOD
------	---	-----------------

Definition: THE MEANS OF ATTACHING THE ITEM.

Reply Instructions: Enter the applicable Reply Code from the table below. (e.g., ADJHDDJ\*; ADJHDDJ\$\$DEU\*)

REPLY CODE

A  
DJ  
ET  
EU  
KL  
PB  
AN  
LY  
MH

REPLY (AB89)

ANY ACCEPTABLE  
BASE  
BULKHEAD  
DECK  
PANEL  
PEDESTAL  
SCREW  
SHAFT  
UNIVERSAL

FIIG T  
Section Parts

APP Key	MRC	Mode Code	Requirements
<hr/>			
GA*			
	AQKC	A	DIAL QUANTITY
	Definition: THE NUMBER OF DIALS PROVIDED.		
	Reply Instructions: Enter the quantity. (e.g., AQKCA3*)		
GA*			
	ABWC	D	SCALE UNIT OF MEASURE INSCRIPTION
	Definition: THE STANDARD OF VALUATION AS REPRESENTED BY THE INSCRIPTION.		
	Reply Instructions: Enter the applicable Reply Code from <a href="#">Appendix A</a> , Table 7. (e.g., ABWCDAX*; ABWCDAN\$\$DAX*)		
GA*			
	AXPJ	J	SCALE RANGE
	Definition: AN INDICATION OF THE SCALE RANGE.		
	Reply Instructions: Enter the applicable Reply Code from <a href="#">Appendix A</a> , Table 7, followed by the inscription range (e.g., AXPJJAEP0.0/P360.0*). Enter multiple replies using Secondary Address Coding. (e.g.,		
	AXPJ1AJAEP0.0/P360.0*;		
	AXPJ1BJDQP0.0/P2500.0*)		
GA*			
	AQLY	F	ANGULAR CALIBRATION RANGE IN DEG
	Definition: THE ANGULAR CALIBRATION RANGE, EXPRESSED IN DEGREES.		
	Reply Instructions: Enter the numeric value (e.g., AQLYFP0.0/P180.0*. Enter multiple replies using Secondary Address Coding. (e.g.,		
	AQLY1AFP0.0/P180*;		
	AQLY1BFP180.0/P360.0*)		
GA*			

FIIG T  
Section Parts

APP Key	MRC	Mode Code	Requirements
	AQLZ	J	DIAL OVERALL LENGTH

Definition: THE DIMENSION MEASURED ALONG THE LONGITUDINAL AXIS WITH TERMINATED POINTS AT THE EXTREME END OF THE DIAL.

Reply Instructions: Enter the applicable Reply Codes from Tables 1 and 2 below, followed by the numeric value. (e.g., AQLZJAA1.000\*; AQLZJLA25.4\*; AQLZJAB2.495\$\$JAC2.503\*)

Table 1

REPLY CODE

A

L

REPLY (AA05)

INCHES

MILLIMETERS

Table 2

REPLY CODE

A

B

C

REPLY (AC20)

NOMINAL

MINIMUM

MAXIMUM

GA\*

AQMA	J	DIAL OVERALL WIDTH
------	---	--------------------

Definition: AN OVERALL MEASUREMENT TAKEN AT RIGHT ANGLES TO THE LENGTH OF A DIAL, IN DISTINCTION FROM THICKNESS.

Reply Instructions: Enter the applicable Reply Codes from Tables 1 and 2 below, followed by the numeric value. (e.g., AQMAJAA1.000\*; AQMAJLA25.4\*; AQMAJAB2.495\$\$JAC2.503\*)

Table 1

REPLY CODE

A

L

REPLY (AA05)

INCHES

MILLIMETERS

Table 2

REPLY CODE

A

B

C

REPLY (AC20)

NOMINAL

MINIMUM

MAXIMUM

GA\*

FIIG T  
Section Parts

APP Key	MRC	Mode Code	Requirements
	AQMB	J	DIAL OVERALL DIAMETER

Definition: A MEASUREMENT OF THE LONGEST STRAIGHT LINE ACROSS THE CENTER OF A CIRCULAR DIAL.

Reply Instructions: Enter the applicable Reply Codes from Tables 1 and 2 below, followed by the numeric value. (e.g., AQMBJAA1.000\*; AQMBJLA25.4\*; AQMBJAB2.495\$\$JAC2.503\*)

Table 1

REPLY CODE

A

L

REPLY (AA05)

INCHES

MILLIMETERS

Table 2

REPLY CODE

A

B

C

REPLY (AC20)

NOMINAL

MINIMUM

MAXIMUM

GA\*

AQMC	B	ARC ANGLE IN DEG
------	---	------------------

Definition: THE ANGLE OF THE ARC, EXPRESSED IN DEGREES.

Reply Instructions: Enter the numeric value (e.g., AQMCB120.0\*). Enter multiple replies using Secondary Address Coding. (e.g.,

AQMC1AB120.0\*;

AQMC1BB180.0\*)

GA

AQQA	D	LUMINOUS DIAL
------	---	---------------

Definition: AN INDICATION OF WHETHER OR NOT A LUMINOUS DIAL IS INCLUDED.

Reply Instructions: Enter the applicable Reply Code from the table below. (e.g., AQQADB\*)

REPLY CODE

B

REPLY (AA49)

INCLUDED



FIIG T  
Section Parts

APP Key	MRC	Mode Code	Requirements
	C		NOT INCLUDED

NOTE FOR MRCS HUES, AQQB, AND AQLW: IF REPLY CODE B IS ENTERED FOR MRC AQQA, REPLY TO MRC HUES, AQQB, AND AQLW.

GA\* (See Note Above)

HUES                      D                      COLOR

Definition: A CHARACTERISTIC OF LIGHT THAT CAN BE SPECIFIED IN TERMS OF LUMINANCE, DOMINANT WAVELENGTH, AND PURITY.

Reply Instructions: Enter the applicable Reply Code from the table below. (e.g., HUESDRE0000\*; HUESDRE0000\$\$DWH0000\*)

<u>REPLY CODE</u>	<u>REPLY (AD06)</u>
A	ANY ACCEPTABLE
RE0000	RED
WH0000	WHITE

GA\* (See Note Preceding MRC HUES)

AQQB                      D                      ILLUMINATIVE METHOD

Definition: THE MEANS OF PRODUCING ILLUMINATION.

Reply Instructions: Enter the applicable Reply Code from the table below. (e.g., AQQBDAJ\*)

<u>REPLY CODE</u>	<u>REPLY (AL21)</u>
AL	WHITE SOURCE AND RED FILTER W/CLEAR WINDOW
AJ	WHITE SOURCE W/CLEAR WINDOW
AK	WHITE SOURCE W/RED FILTER AND CLEAR WINDOW
AM	WHITE SOURCE W/RED FILTER AND 2ND CLEAR WINDOW

GA\* (See Note Preceding MRC HUES)

AQLW                      D                      LIGHT LOCATION

FIIG T  
Section Parts

APP	MRC	Mode Code	Requirements
Key			

---

Definition: INDICATES THE LOCATION OF THE LIGHT.

Reply Instructions: Enter the applicable Reply Code from [Appendix A](#), Table 3. (e.g., AQLWDAAZ\*; AQLWDAAZ\$\$DABC\*)

GA

AFLW	D	ACTUATION METHOD
------	---	------------------

Definition: THE MEANS BY WHICH THE ITEM IS ACTUATED.

Reply Instructions: Enter the applicable Reply Code from the table below. (e.g., AFLWDAW\*)

<u>REPLY CODE</u>	<u>REPLY (AC58)</u>
A	ANY ACCEPTABLE
AW	AUTOMATIC
CF	MANUAL

NOTE FOR MRC APCM: IF REPLY CODE CF IS ENTERED FOR MRC AFLW, REPLY TO MRC APCM.

GA\* (See Note Above)

APCM	D	ACTUATION TYPE
------	---	----------------

Definition: INDICATES THE TYPE OF ACTUATION PROVIDED.

Reply Instructions: Enter the applicable Reply Code from the table below. (e.g., APCMDBK\*)

<u>REPLY CODE</u>	<u>REPLY (AC82)</u>
A	ANY ACCEPTABLE
BK	HANDLE
BL	KNOB

GA\*

AQMD	D	TRANSMISSION METHOD
------	---	---------------------

Definition: THE MEANS USED TO TRANSMIT.

FIIG T  
Section Parts

APP Key	MRC	Mode Code	Requirements
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Reply Instructions: Enter the applicable Reply Code from the table below. (e.g., AQMDDAAF\*)

<u>REPLY CODE</u> A AAD AAJ AAF	<u>REPLY (AJ53)</u> ANY ACCEPTABLE MAGNETO STEP BY STEP SYNCHRO
---	---

GA\*

ABFY	J	OVERALL DEPTH
------	---	---------------

Definition: AN OVERALL MEASUREMENT BETWEEN SPECIFIED POINTS OF AN ITEM, IN DISTINCTION FROM HEIGHT.

Reply Instructions: Enter the applicable Reply Codes from Tables 1 and 2 below, followed by the numeric value. (e.g., ABFYJAA1.000\*; ABFYJLA25.4\*; ABFYJAB2.495\$\$JAC2.503\*)

<u>Table 1</u>	
<u>REPLY CODE</u> A L	<u>REPLY (AA05)</u> INCHES MILLIMETERS

<u>Table 2</u>	
<u>REPLY CODE</u> A B C	<u>REPLY (AC20)</u> NOMINAL MINIMUM MAXIMUM

GA\*

ABHP	J	OVERALL LENGTH
------	---	----------------

Definition: THE DIMENSION MEASURED ALONG THE LONGITUDINAL AXIS WITH TERMINATED POINTS AT THE EXTREME ENDS OF THE ITEM.

Reply Instructions: Enter the applicable Reply Codes from Tables 1 and 2 below, followed by the numeric value. (e.g., ABHPJAA1.000\*; ABHPJLA25.4\*; ABHPJAB2.495\$\$JAC2.503\*)

<u>Table 1</u> <u>REPLY CODE</u>	<u>REPLY (AA05)</u>
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FIIG T  
Section Parts

APP Key	MRC	Mode Code	Requirements
		A	INCHES
		L	MILLIMETERS
		<u>Table 2</u> <u>REPLY CODE</u>	
		A	<u>REPLY (AC20)</u> NOMINAL
		B	MINIMUM
		C	MAXIMUM

GA\*

ADUM                      J                      OVERALL THICKNESS

Definition: AN OVERALL MEASUREMENT OF THE SMALLEST DIMENSION OF AN ITEM, IN DISTINCTION FROM LENGTH OR WIDTH.

Reply Instructions: Enter the applicable Reply Codes from Tables 1 and 2 below, followed by the numeric value. (e.g., ADUMJAA1.000\*; ADUMJLA25.4\*; ADUMJAB2.495\$\$JAC2.503\*)

<u>Table 1</u>	
<u>REPLY CODE</u>	<u>REPLY (AA05)</u>
A	INCHES
L	MILLIMETERS

<u>Table 2</u>	
<u>REPLY CODE</u>	<u>REPLY (AC20)</u>
A	NOMINAL
B	MINIMUM
C	MAXIMUM

GA\*

ABKW                      J                      OVERALL HEIGHT

Definition: THE DISTANCE MEASURED IN A STRAIGHT LINE FROM THE BOTTOM TO THE TOP OF AN ITEM.

Reply Instructions: Enter the applicable Reply Codes from Tables 1 and 2 below, followed by the numeric value. (e.g., ABKWJAA1.000\*; ABKWJLA25.4\*; ABKWJAB2.495\$\$JAC2.503\*)

<u>Table 1</u>	
<u>REPLY CODE</u>	<u>REPLY (AA05)</u>

FIIG T  
Section Parts

APP Key	MRC	Mode Code	Requirements
		A	INCHES
		L	MILLIMETERS
		<u>Table 2</u> <u>REPLY CODE</u>	
		A	<u>REPLY (AC20)</u> NOMINAL
		B	MINIMUM
		C	MAXIMUM

GA\*

ABMK                      J                      OVERALL WIDTH

Definition: AN OVERALL MEASUREMENT TAKEN AT RIGHT ANGLES TO THE MEASURED LENGTH OF AN ITEM, IN DISTINCTION FROM THICKNESS.

Reply Instructions: Enter the applicable Reply Codes from Tables 1 and 2 below, followed by the numeric value. (e.g., ABMKJAA1.000\*; ABMKJLA25.4\*; ABMKJAB2.495\$\$JAC2.503\*)

<u>Table 1</u>	
<u>REPLY CODE</u>	<u>REPLY (AA05)</u>
A	INCHES
L	MILLIMETERS

<u>Table 2</u>	
<u>REPLY CODE</u>	<u>REPLY (AC20)</u>
A	NOMINAL
B	MINIMUM
C	MAXIMUM

GA\*

ADAV                      J                      OVERALL DIAMETER

Definition: A MEASUREMENT OF THE LONGEST STRAIGHT LINE ACROSS A CIRCULAR CROSS-SECTIONAL PLANE.

Reply Instructions: Enter the applicable Reply Codes from Tables 1 and 2 below, followed by the numeric value. (e.g., ADAVJAA1.000\*; ADAVJLA25.4\*; ADAVJAB2.495\$\$JAC2.503\*)

FIIG T  
Section Parts

APP Key	MRC	Mode Code	Requirements
<hr/>			
		<u>Table 1</u>	
		<u>REPLY CODE</u>	<u>REPLY (AA05)</u>
		A	INCHES
		L	MILLIMETERS
		<u>Table 2</u>	
		<u>REPLY CODE</u>	<u>REPLY (AC20)</u>
		A	NOMINAL
		B	MINIMUM
		C	MAXIMUM

**SECTION: STANDARD**

APP

Key MRC Mode Code Requirements

ALL\*

FEAT G SPECIAL FEATURES

Definition: THOSE UNUSUAL OR UNIQUE CHARACTERISTICS OR QUALITIES OF AN ITEM NOT COVERED IN THE OTHER REQUIREMENTS AND WHICH ARE DETERMINED TO BE ESSENTIAL FOR IDENTIFICATION.

Reply Instructions: Enter the reply in clear text. Separate multiple replies with a semicolon. (e.g., FEATGADJUSTABLE NOSE CLIP\*; FEATGADJUSTABLE NOSE PIECE; DISPOSABLE\*)

ALL\*

TEST J TEST DATA DOCUMENT

Definition: THE SPECIFICATION, STANDARD, DRAWING, OR SIMILAR INSTRUMENT THAT SPECIFIES ENVIRONMENTAL AND PERFORMANCE REQUIREMENTS OR TEST CONDITIONS UNDER WHICH AN ITEM IS TESTED AND ESTABLISHES ACCEPTABLE LIMITS WITHIN WHICH THE ITEM MUST CONFORM IDENTIFIED BY AN ALPHABETIC AND/OR NUMERIC REFERENCE NUMBER. INCLUDES THE COMMERCIAL AND GOVERNMENT ENTITY (CAGE) CODE OF THE ENTITY CONTROLLING THE INSTRUMENT.

Reply Instructions: Enter the applicable Reply Code from the table below, followed by the 5-position CAGE Code, a dash, and the document identification number.

(e.g., TESTJA12345-CWX654321\*;

TESTJA1234A-654321\$\$JB5556A-663654\*;

TESTJAA2345-654321\$JB55566-663654\*)

REPLY  
CODE

REPLY (AC28)

A

SPECIFICATION (Includes engineering type bulletins, brochures, etc., that reflect specification type data in specification format; excludes commercial catalogs, industry directories, and similar trade publications, reflecting general type data on certain environmental and performance requirements and test conditions that are shown as "typical," "average," "nominal," etc.)

B

STANDARD (Includes industry or association standards, individual manufacturer standards, etc.)

FIIG T  
Section Parts

APP

Key	MRC	Mode Code	Requirements
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		C	DRAWING (This is the basic governing drawing, such as a contractor drawing, original equipment manufacturer drawing, etc.; excludes any specification, standard, or other document that may be referenced in a basic governing drawing)
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ALL\*

SPCL	G	SPECIAL TEST FEATURES	
------	---	-----------------------	--

Definition: TEST CONDITIONS AND RATINGS, OR ENVIRONMENTAL AND PERFORMANCE REQUIREMENTS THAT ARE DIFFERENT, MORE CRITICAL, OR MORE SPECIFIC THAN THOSE SPECIFIED IN A GOVERNING TEST DATA DOCUMENT.

Reply Instructions: Enter the reply in clear text. (e.g., SPCLGSELECTED AND TESTED FOR NAVIGATIONAL SYSTEMS\*)

ALL\*

ZZZK	J	SPECIFICATION/STANDARD DATA	
------	---	-----------------------------	--

Definition: THE DOCUMENT DESIGNATOR OF THE SPECIFICATION OR STANDARD WHICH ESTABLISHED THE ITEM OF SUPPLY.

Reply Instructions: Enter the applicable Reply Code from the table below, followed by the Commercial and Government Entity (CAGE) Code of the entity controlling the document, a dash, and the document designator. The agency that controls the limited coordination document must be preceded and followed by a slash following the designator. The word canceled or superseded must be preceded and followed by a slash for the designator. Professional and industrial association specifications/standards are differentiated from a manufacturer's specification in that the data has been coordinated and published by the professional and industrial association. Include amendments and revisions where applicable.

(e.g., ZZZKJT81337-30642B\*;

ZZZKJS81349-MIL-D-180 REV1/CANCELED/\*;

ZZZKJP80205-NAS1103\*;

ZZZKJS81349-MIL-C-1140C/CE/\*;

ZZZKJT81337-30642B\$\$JP80205-NAS1103\*)



FIIG T  
Section Parts

APP

Key	MRC	Mode Code	Requirements
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REPLY  
CODE

REPLY (AN62)

S	GOVERNMENT SPECIFICATION
T	GOVERNMENT STANDARD
D	MANUFACTURERS SOURCE CONTROL
R	MANUFACTURERS SPECIFICATION
N	MANUFACTURERS SPECIFICATION CONTROL
M	MANUFACTURERS STANDARD
B	NATIONAL STD/SPEC
A	PROFESSIONAL/INDUSTRIAL ASSOCIATION SPECIFICATION
P	PROFESSIONAL/INDUSTRIAL ASSOCIATION STANDARD

NOTE FOR MRC ZZZT: IF THE SPECIFICIATION/STANDARD CITED IN REPLY TO MRC ZZZK IS NONDEFINITIVE, REPLY TO MRC ZZZT. THIS REPLY IS THE DATA WHICH IS NOT RECORDED IN SEGMENT C.

ALL\* (See Note Above)

ZZZT	J	NONDEFINITIVE SPEC/STD DATA
------	---	-----------------------------

Definition: THE NUMBER, LETTER, OR SYMBOL THAT INDICATES THE TYPE, STYLE, GRADE, CLASS, AND THE LIKE, OF AN ITEM IN A NONIDENTIFYING SPECIFICATION OR STANDARD.

Reply Instructions: Enter the applicable Reply Code from [Appendix A](#), Table 8, followed by the appropriate number, letter, or symbol. (e.g., ZZZTJTY1\*; ZZZTJTY1\$JSTA\*; ZZZTJTY1\$JSTA\*)

ALL\*

ZZZW	G	DEPARTURE FROM CITED DOCUMENT
------	---	-------------------------------

Definition: THE TECHNICAL DIFFERENTIATING CHARACTERISTIC(S) OF AN ITEM OF SUPPLY WHICH DEPART(S) FROM THE TEXT OF A SPECIFICATION OR A STANDARD IN THAT IT REPRESENTS A SELECTION OF CHARACTERISTICS STATED IN THE SPECIFICATION OR STANDARD AS BEING OPTIONAL, OR A VARIATION FROM ONE OR MORE OF THE STATED CHARACTERISTICS, OR AN ADDITIONAL CHARACTERISTIC NOT STATED IN THE SPECIFICATION OR STANDARD.

Reply Instructions: Enter the reply in clear text. (e.g., ZZZWGAS MODIFIED BY MATERIAL\*)

FIIG T  
Section Parts

APP Key	MRC	Mode Code	Requirements
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ALL\*

ZZZX	G	DEPARTURE FROM CITED DESIGNATOR
------	---	---------------------------------

Definition: THE VARIATION WHEN THE ITEM IS IN CONFORMITY WITH A TYPE DESIGNATOR COVERED BY A SPECIFICATION OR STANDARD, EXCEPT IN REGARD TO ONE OR MORE TECHNICAL DIFFERENTIATING CHARACTERISTICS.

Reply Instructions: Enter the reply in clear text. (e.g., ZZZXGAS MODIFIED BY MATERIAL\*)

ALL\*

ZZZY	G	REFERENCE NUMBER DIFFERENTIATING CHARACTERISTICS
------	---	--

Definition: A FEATURE OF THE ITEM OF SUPPLY WHICH MUST BE SPECIFICALLY RECORDED WHEN THE REFERENCE NUMBER COVERS A RANGE OF ITEMS.

Reply Instructions: Enter the reply in clear text. (e.g., ZZZYGCOLOR CODED LEADS\*; ZZZYGAS DIFFERENTIATED BY MATERIAL\*)

ALL\*

CRTL	A	CRITICALITY CODE JUSTIFICATION
------	---	--------------------------------

Definition: THE MASTER REQUIREMENT CODES OF THOSE REQUIREMENTS WHICH ARE TECHNICALLY CRITICAL BY REASON OF TOLERANCE, FIT, PERFORMANCE, OR OTHER CHARACTERISTICS WHICH AFFECT IDENTIFICATION OF THE ITEM.

Reply Instructions: Enter the Master Requirement Code for the requirement, the reply to which renders the item as being critical. (e.g., CRTLAMATL\*; CRTLAMATL\$\$ASURF\*)

Reply to this requirement only if the header record for the item identification for the item being identified has been coded as critical.

NOTE FOR MRC PRPY: IF DOCUMENT AVAILABILITY CODE B, D, F, OR H, REPLY TO MRC PRPY.

ALL\* (See Note Above)

FIIG T  
Section Parts

APP

Key	MRC	Mode Code	Requirements
-----	-----	-----------	--------------

PRPY	A	PROPRIETARY CHARACTERISTICS	
------	---	-----------------------------	--

Definition: IDENTIFICATION OF THOSE CHARACTERISTICS INCLUDED IN THE DESCRIPTION FOR WHICH A NON-GOVERNMENT ACTIVITY HAS IDENTIFIED ALL OR SELECTED CHARACTERISTICS OF THE ITEM AS BEING PROPRIETARY AND THEREFORE RESTRICTED FROM RELEASE OUTSIDE THE GOVERNMENT WITHOUT PRIOR PERMISSION OF THE ORIGINATOR OF THE DATA.

Reply Instructions: Enter the MRC codes of the individual characteristics of the description which are marked proprietary on the technical data, using AND coding (\$\$) for multiple characteristics. If all the MRCs are proprietary, enter the reply PACS. If none of the MRCs is proprietary, enter the reply NPAC. (e.g., PRPYAPACS\*; PRPYANPAC\*; PRPYAMATL\$\$ASURF\*)

ALL\*

ELRN	G	EXTRA LONG REFERENCE NUMBER	
------	---	-----------------------------	--

Definition: A REFERENCE NUMBER EXCEEDING 32 POSITIONS.

Reply Instructions: Enter the entire reference number. Do not include the 5-position Commercial and Government Entity (CAGE) Code unless there is more than one extra long reference number on the NSN, (e.g., ELRNGANN112036BIL060557LEN313605UZ62365\*).

If there is more than one extra long reference number on the NSN, include the CAGE or NCAGE and separate each reference by using the "&" character, (e.g., 28480 ANN112036BIL060557LEN313605UZ62365 & S1234 NN112036BIL060557LEN313605UZ62365).

In determining quantity of characters in the reference number, count will be made after modification in accordance with Volume 2, Chapter 9, FLIS Procedures Manual, DoD 4100.39-M.

NOTE FOR MRC NHCF: IF THE CRITICALITY CODE IS E, H, OR M, REPLY TO MRC NHCF.

ALL\* (See Note Above)

NHCF	D	NUCLEAR HARDNESS CRITICAL FEATURE	
------	---	-----------------------------------	--

Definition: AN INDICATION OF THE NUCLEAR HARDNESS CRITICALITY OF THE ITEM.

FIIG T  
Section Parts

APP			
Key	MRC	Mode Code	Requirements

---

Reply Instructions: Enter the Reply Code from the table below. (e.g., NHCFCY\*)

REPLY CODE  
CY

REPLY (AD05)  
HARDENED

ALL\*

ELCD      D      EXTRA LONG CHARACTERISTIC DESCRIPTION

Definition: A DESCRIPTION THAT EXCEEDS 5000 CHARACTERS.

Reply Instructions: Enter the Reply Code from the table below. (e.g., ELCDDA\*)

REPLY  
CODE  
A

REPLY (AN58)  
ADDITIONAL DESCRIPTIVE DATA ON MANUAL  
RECORD

**SECTION: SUPPTECH**

APP

Key	MRC	Mode Code	Requirements
-----	-----	-----------	--------------

ALL

AGAV	G	END ITEM IDENTIFICATION
------	---	-------------------------

Definition: THE NATIONAL STOCK NUMBER OR THE IDENTIFICATION INFORMATION OF THE END EQUIPMENT FOR WHICH THE ITEM IS A PART.

Reply Instructions: Enter the applicable reply in clear text.

(e.g., AGAVG3930-00-0000\*;

AGAVGFORKLIFT TRUCK, SMITH CORPORATION, MODEL 12, TYPE A\*)

ALL

ALCD	G	USAGE DESIGN
------	---	--------------

Definition: INDICATES THE DESIGNED USE OF THE ITEM.

Reply Instructions: Enter the reply in clear text. (e.g., ALCDGFOR INTEROFFICE COMMUNICATION\*)

ALL

AFJK	J	CUBIC MEASURE
------	---	---------------

Definition: A MEASUREMENT OF VOLUME TAKEN BY MULTIPLYING THE LENGTH BY THE WIDTH BY THE HEIGHT OF AN ITEM AND RENDERED IN CUBIC UNIT.

Reply Instructions: Enter the applicable Reply Code from the table below, followed by the numeric value. (e.g., AFJKJB8.000\*)

REPLY CODE

C

B

REPLY (AD42)

CUBIC CENTIMETERS

CUBIC INCHES

ALL

PRMT	D	PRECIOUS MATERIAL
------	---	-------------------

Definition: IDENTIFICATION OF THE PRECIOUS MATERIAL CONTAINED IN THE ITEM.

FIIG T  
Section Parts

APP			
Key	MRC	Mode Code	Requirements

---

Reply Instructions: Enter the applicable Reply Code from the table below. (e.g., PRMTDAGA000\*; PRMTDAUA000\$\$DAGA000\*; PRMTDAUA000\$DAGA000\*)

<u>REPLY CODE</u>	<u>REPLY (MA01)</u>
AUA000	GOLD
IRA000	IRIDIUM
AZA000	OSMIUM
PDA000	PALLADIUM
PTA000	PLATINUM
RHA000	RHODIUM
RTA000	RUTHENIUM
AGA000	SILVER

ALL

PMWT	J	PRECIOUS MATERIAL AND WEIGHT
------	---	------------------------------

Definition: AN INDICATION OF THE PRECIOUS MATERIAL CONTAINED IN THE ITEM, AND THE AMOUNT PER A MEASUREMENT SCALE.

Reply Instructions: Enter the applicable Reply Codes from Tables 1 and 2 below, followed by the numeric value. Enter multiple replies in Table 1 sequence. (e.g., PMWTJPTA000R0.780\*; PMWTJAUUA000F0.500\$\$JAGA000R0.780\*; PMWTJAUUA000F0.500\$JAGA000R0.780\*)

<u>Table 1</u>	
<u>REPLY CODE</u>	<u>REPLY (MA01)</u>
AUA000	GOLD
IRA000	IRIDIUM
AZA000	OSMIUM
PDA000	PALLADIUM
PTA000	PLATINUM
RHA000	RHODIUM
RTA000	RUTHENIUM
AGA000	SILVER

<u>Table 2</u>	
<u>REPLY CODE</u>	<u>REPLY (AG14)</u>
E	GRAINS, TROY
R	GRAMS
F	OUNCES, TROY

ALL

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Section Parts

APP  
Key

MRC

Mode Code

Requirements

PMLC

J

PRECIOUS MATERIAL AND LOCATION

Definition: AN INDICATION OF THE PRECIOUS MATERIAL AND ITS LOCATION IN THE ITEM.

Reply Instructions: Enter the applicable Reply Code from the table below, followed by the location in clear text. (e.g., PMLCJUAUA000TERMINALS\*; PMLCJUAUA000TERMINALSS\$JAGA000INTERNAL SURFACES\*; PMLCJUAUA000TERMINALSS\$JAGA000INTERNAL SURFACES\*)

REPLY CODE

AUA000  
IRA000  
AZA000  
PDA000  
PTA000  
RHA000  
RTA000  
AGA000

REPLY (MA01)

GOLD  
IRIDIUM  
OSMIUM  
PALLADIUM  
PLATINUM  
RHODIUM  
RUTHENIUM  
SILVER

ALL

SUPP

G

SUPPLEMENTARY FEATURES

Definition: CHARACTERISTICS OR QUALITIES OF AN ITEM NOT COVERED IN ANY OTHER REQUIREMENT, WHICH ARE CONSIDERED ESSENTIAL INFORMATION FOR ONE OR MORE FUNCTIONS EXCLUDING NSN ASSIGNMENT.

Reply Instructions: Enter the reply in clear text. (e.g., SUPPGMAY INCL HOLE IN UPPER SUPPORT FOR MTG DURING SHIPMENT\*)

ALL

FCLS

A

FUNCTIONAL CLASSIFICATION

Definition: THE ALPHA-NUMERIC DESIGNATION THAT IDENTIFIES THE CLASSIFICATION OF THE ITEM ACCORDING TO THE CATEGORY OF FUNCTIONS PERFORMED.

Reply Instructions: Enter the reply from the applicable document.

(e.g., FCLSAHH-1.5\*)

FIIG T  
Section Parts

APP Key	MRC	Mode Code	Requirements
ALL			
	FTLD	G	FUNCTIONAL DESCRIPTION
	Definition: DESCRIBES THE CAPABILITIES, INTENDED USE, AND/OR PURPOSE FOR WHICH THE ITEM IS PROVIDED.		
	Reply Instructions: Enter description of function as concisely as possible. (e.g., FTLDGUSED TO INSTALL/REMOVE ENGINE NACELLE*)		
ALL			
	TMDN	A	TYPE/MODEL DESIGNATION
	Definition: THE ALPHA-NUMERIC-ALPHA DESIGNATION USED TO IDENTIFY THE TYPE AND/OR MODEL OF THE BASIC ITEM.		
	Reply Instructions: Enter the appropriate designation data.		
	(e.g., TMDNAMS SV-615/M*)		
ALL			
	RTSE	G	RELATIONSHIP TO SIMILAR EQUIPMENT
	Definition: INDICATES THE RELATIONSHIP, SUCH AS CONSTRUCTION, CAPABILITIES, AND THE LIKE, OF THE ITEM TO A SIMILAR ITEM.		
	Reply Instructions: Enter the concise statement for similar item including name and identifying data.		
	(e.g., RTSEGSIMILAR TO LOCKHEED OVERWING ENGINE HOIST P/N 61521-58*)		
ALL			
	RDAL	G	REFERENCE DATA AND LITERATURE
	Definition: LITERATURE AND REFERENCES AVAILABLE FOR INFORMATION PERTAINING TO THE ITEM.		
	Reply Instructions: Enter data appropriate and in a concise manner to identify informational references covering the item.		
	(e.g., RDALGNAAVAIROIA/VFK58 A-2.2.9*)		



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Section Parts

APP Key	MRC	Mode Code	Requirements
ALL			
	NTRD	A	ENTRY DATA
	Definition: INDICATE THE DATA THE ITEM WAS ENTERED INTO MIL-HDBK-300.		
	Reply Instructions: Enter the data structured in three hyphenated 2 position segments to indicate the last 2 digits of the calendar year, month, and day.		
	(e.g., NTRDA80-05-28*)		
ALL			
	ZZZP	J	PURCHASE DESCRIPTION IDENTIFICATION
	Definition: THE CONTROLLING ACTIVITY AND IDENTIFICATION OF A DOCUMENT USED IN LIEU OF A SPECIFICATION IN THE PROCUREMENT OF AN ITEM OF SUPPLY.		
	Reply Instructions: Enter the 5-position Commercial and Government Entity (CAGE) code followed by a dash and the identifying number of the document.		
	(e.g., ZZZPJ81337-30624A*)		
ALL			
	ZZZV	G	FSC APPLICATION DATA
	Definition: THE JUSTIFICATION FOR THE ASSIGNMENT OF A FEDERAL SUPPLY CLASS (FSC) TO AN ITEM BASED ON THE CLASSIFICATION OF THE NEXT HIGHER CLASSIFIABLE ASSEMBLY.		
	Reply Instructions: Enter the name of the next higher classifiable assembly in clear text. (e.g., ZZZVGFUEL SYSTEM, GASOLINE ENGINE, NONAIRCRAFT*)		
ALL			
	CXCY	G	PART NAME ASSIGNED BY CONTROLLING AGENCY
	Definition: THE NAME ASSIGNED TO THE ITEM BY THE GOVERNMENT AGENCY OR COMMERCIAL ORGANIZATION CONTROLLING THE DESIGN OF THE ITEM.		

FIIG T  
Section Parts

APP Key	MRC	Mode Code	Requirements
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Reply Instructions: Enter the reply in clear text. (e.g., CXCYGLINE PROCESSOR  
CONTROL BOARD\*)

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Section Parts

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Table 1 - SURFACE TREATMENTS  
SURFACE TREATMENTS

<u>REPLY CODE</u>	<u>REPLY (AD09)</u>
AZ0000	ALUMINIZED
ALC000	ALUMINUM
ALH000	ALUMINUM SPRAYED
AN0000	ANODIZED
ANA000	ANODIZED BLACK
AN0008	ANODIZED, MIL-A-8625, TYPE 2, CLASS 2
AAAAAA	ANY ACCEPTABLE
A	ANY ACCEPTABLE (do not use for MRC ANNR)
BNK000	BRONZE, BRUSHED
ENAK00	BRONZE ENAMELED
CDR000	CADMIUM PLATED
CN0000	CHROMATE
CH0000	CHROME
CHC000	CHROME PLATED
CR0000	CHROMIUM
CRA000	CHROMIUM PLATED
EN0000	ENAMEL
ENE000	ENAMEL, BAKED
ENF000	ENAMEL, BLACK
ENG000	ENAMEL, BROWN
ENH000	ENAMEL, GRAY
ENAF00	ENAMEL, HAMMERED
EN0011	ENAMEL, MIL-E-15090, TYPE 3, CLASS 2
ENW000	ENAMEL, OLIVE DRAB
ENL000	ENAMEL, RED
ENAE00	ENAMEL, WHITE
	Enameled (use Reply Code EN0000)
FNF000	FINISH, BRONZE SANDBLAST
GB0000	GALVANIZED
	Iridite (use Reply Code CN0000)
LQ0000	LACQUER
LQF000	LACQUER, ALUMINUM
LQL000	LACQUER, GRAY
LQK000	LACQUER, RED
ENAG00	MAHOGANY ENAMELED
NFG000	NICKEL PLATED
ENAH00	OAK ENAMELED
XX0000	OXIDE
XD0000	OXIDIZED
PND000	PAINT, BLACK
PNH000	PAINT, OLIVE DRAB
PN0000	PAINTED
PNK000	PAINTED, RED

<u>REPLY CODE</u>	<u>REPLY (AD09)</u>
BLA000	PARKERIZED
PH0000	PHOSPHATE
FNE000	POLISHED
AGE000	SILVER PLATED
SNF000	TIN PLATED
ENAJ00	WALNUT ENAMELED
ZN0000	ZINC
ZNA000	ZINC CHROMATE
ZNN000	ZINC PLATED

Table 2 - MATERIALS  
MATERIALS

<u>REPLY CODE</u>	<u>REPLY (AD09)</u>
ALC000	ALUMINUM
AL0000	ALUMINUM ALLOY
AL0629	ALUMINUM ALLOY, 6061, T6
ALF000	ALUMINUM, CAST
ALG000	ALUMINUM, DIE CAST
AAAAAA	ANY ACCEPTABLE
A	ANY ACCEPTABLE (Do Not Use For MRC ANNQ)
BR0000	BRASS
BRP000	BRASS, CAST
BN0000	BRONZE
BNJ000	BRONZE, CAST
CD0000	CADMIUM
CK0000	COPPER ALLOY
MEF000	GUNMETAL
FE0000	IRON
FEA000	IRON, CAST
ME0000	METAL
MEC000	METAL, CORROSION RESISTING
MEN000	METAL, POT
MEQ000	METAL, POT, DIE CAST
MEP000	METAL, SHEET
	Noncorrodible Metal (use Reply Code MEC000)
PC0000	PLASTIC
PC0119	PLASTIC, L-P-396, TYPE I, CLASS 1
PCW000	PLASTIC, PHENOLIC
PCCCCC	PLASTIC, PHENOLIC, MOULDED
ST0000	STEEL
STL000	STEEL, CAST
MEG000	WHITE METAL
ZN0000	ZINC
ZNL000	ZINC ALLOY
ZNAG00	ZINC, DIE CAST

Table 3 - LOCATIONS  
LOCATIONS

<u>REPLY CODE</u>	<u>REPLY (AJ91)</u>
A	ANY ACCEPTABLE (Do Not use for MRC ANNR or ANNQ)
AAZ	BACK
ABK	EDGE
ABC	FRONT
AEA	MOTOR HOUSING
ABJ	REAR
AEB	SIREN HOUSING
ABD	TOP

Table 4 - TONE KEYS  
TONE KEYS

<u>REPLY CODE</u>	<u>REPLY (AH87)</u>
AB	A-FLAT
AX	A-NATURAL
A	ANY ACCEPTABLE
AC	B-FLAT
AY	B-NATURAL
AD	C
AR	D
AE	D-FLAT
AZ	E-NATURAL
AG	F
BA	G-NATURAL
AW	NATURAL

Table 5 - ENVIRONMENTAL PROTECTIONS  
ENVIRONMENTAL PROTECTIONS

<u>REPLY CODE</u>	<u>REPLY (AA65)</u>
AB	ACID RESISTANT
FT	ALKALI RESISTANT
A	ANY ACCEPTABLE
GK	CORROSION RESISTANT
BV	DUSTPROOF
JE	FLAME RESISTANT
GP	FUNGUS RESISTANT
CY	HEAT RESISTANT
AJ	MILDEW RESISTANT
AK	OIL RESISTANT
JD	SALT AIR RESISTANT
GW	SALT SPRAY RESISTANT
JN	TROPICALIZED

<u>REPLY CODE</u>	<u>REPLY (AA65)</u>
DZ	WATER REPELLENT
BT	WEATHER RESISTANT

Table 6 - THREAD SERIES  
THREAD SERIES

<u>REPLY CODE</u>	<u>REPLY (AH06)</u>
SM	ISO M (other than coarse)
SS	ISO S (coarse)
NN	NONSTANDARD
NP	NPT
NT	NPTF
UN	UN (8, 12, and 16 Pitch)
NC	UNC (NC)
NE	UNEF (NEF)
NF	UNF (NF)
NJ	UNJ (8, 12, and 16 Pitch)
JC	UNJC
JE	UNJEF
JF	UNJF
NM	UNM
NS	UNS (National Special)

Table 7 - SCALE UNIT OF MEASURE INSCRIPTIONS  
SCALE UNIT OF MEASURE INSCRIPTIONS

<u>REPLY CODE</u>	<u>REPLY (AB49)</u>
AE	DEGREES
CL	ENGINE ORDERS
AF	FEET
DQ	FEET PER MINUTE
BN	KNOTS
AN	NAUTICAL MILES
CM	REVOLUTIONS
AX	REVOLUTIONS PER MINUTE (RPM)
CN	STEERING ORDERS
CP	TENS AND HUNDREDS OF RPM

Table 8 - NONDEFINITIVE SPEC/STD DATA  
NONDEFINITIVE SPEC/STD DATA

<u>REPLY CODE</u>	<u>REPLY (AD08)</u>
AL	ALLOY
AN	ANNEX
AP	APPENDIX



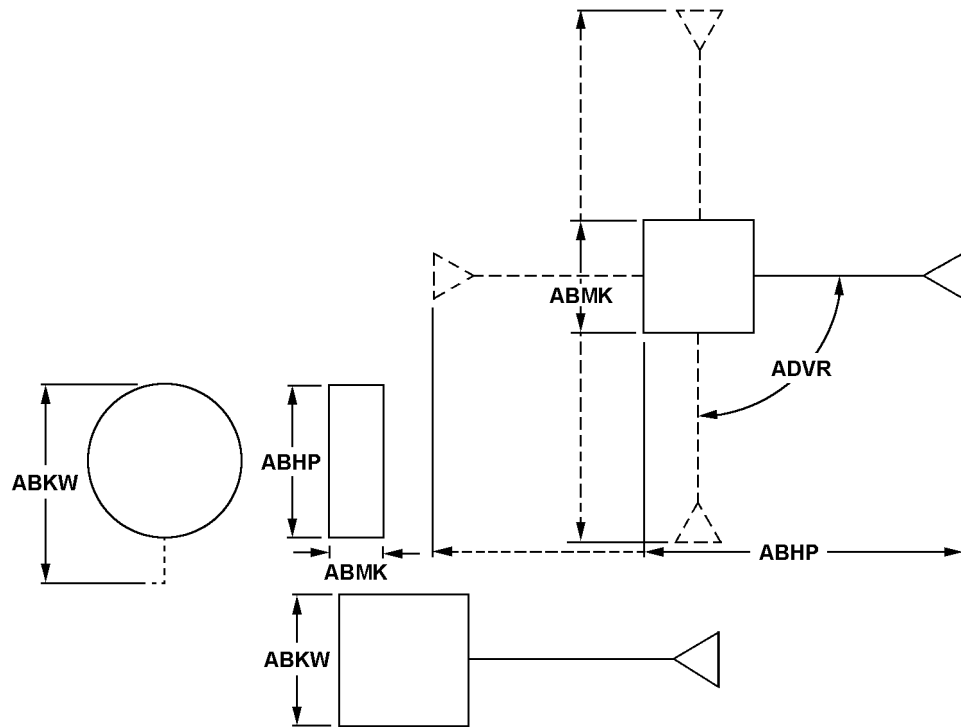
<u>REPLY CODE</u>	<u>REPLY (AD08)</u>
AC	APPLICABILITY CLASS
AR	ARRANGEMENT
AS	ASSEMBLY
AB	ASSORTMENT
BX	BOX
CY	CAPACITY
CA	CASE
CT	CATEGORY
CL	CLASS
CE	CODE
CR	COLOR
CC	COMBINATION CODE
CN	COMPONENT
CP	COMPOSITION
CM	COMPOUND
CD	CONDITION
CS	CONSTRUCTION
DE	DESIGN
DG	DESIGNATOR
DW	DRAWING NUMBER
EG	EDGE
EN	END
FY	FAMILY
FG	FIGURE
FN	FINISH
FM	FORM
FA	FORMULA
GR	GRADE
GP	GROUP
BA	IMAGE COLOR
NS	INSERT
TM	ITEM
KD	KIND
KT	KIT
LG	LENGTH
LT	LIMIT
MK	MARK
AA	MARKER
ML	MATERIAL
BB	MAXIMUM DENSITY
MH	MESH
ME	METHOD
BC	MINIMUM DENSITY
MD	MODEL
MT	MOUNTING
NR	NUMBER
PT	PART
PN	PATTERN

<u>REPLY CODE</u>	<u>REPLY (AD08)</u>
PC	PHYSICAL CONDITION
PS	PIECE
PL	PLAN
PR	POINT
QA	QUALITY
RN	RANGE
RT	RATING
RF	REFERENCE NUMBER
SC	SCHEDULE
SB	SECTION
SL	SELECTION
SE	SERIES
SV	SERVICE
SX	SET
SA	SHADE
SH	SHAPE
SG	SHEET
SZ	SIZE
PZ	SPECIES
SQ	SPECIFICATION SHEET
SD	SPEED
ST	STYLE
SS	SUBCLASS
SF	SUBFORM
SP	SUBTYPE
SN	SURFACE CONDITION
SY	SYMBOL
SM	SYSTEM
TB	TABLE
TN	TANNAGE
TP	TEMPER
TX	TEXTURE
TK	THICKNESS
TT	TREATMENT
TR	TRIM
TY	TYPE
YN	UNIT
VA	VARIETY
WT	WEIGHT
WD	WIDTH

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## (GENERAL CONFIGURATIONS)



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IDENTIFIED SECONDARY ADDRESS CODING (Table 0360)

When the item includes a self-contained power source and the item is also designed for operation from an external power source, the external power source is considered alternate operating. Under this condition reply only alternate operating.

When the item is powered by external power source(s) only reply operating. When the item is powered solely by internal batteries, these batteries do not constitute a self-contained power source but are considered operating.

If you have more than one reply to the same MRC in any series, change the second alpha to indicate the reply. For example: ALTERNATE OPERATING POWER EQUIPMENT shows AC Voltage 110V, 115V, 120V code as ACYN1AJVA110.0\* ACYN1BJVA115.0\* ACYN1CJVA120.0\*. ACYN1AJVA110.0\$\$JVA220.0\*.

ACYN1AJVA110.0\*

ACYN1BJVA115.0\*

ACYN1CJVA120.0\*.

ACYN1AJVA110.0\$\$JVA220.0\*.

IDENTIFIED SECONDARY ADDRESS CODING for MRCs ACYN, ACZB, FAAZ, ACYR, and ALSF.

1A	1ST ALTERNATE OPERATING POWER RQMT
1B	2ND ALTERNATE OPERATING POWER RQMT
1C	3RD ALTERNATE OPERATING POWER RQMT
1D	4TH ALTERNATE OPERATING POWER RQMT
1E	5TH ALTERNATE OPERATING POWER RQMT
1F	6TH ALTERNATE OPERATING POWER RQMT
1G	7TH ALTERNATE OPERATING POWER RQMT
1H	8TH ALTERNATE OPERATING POWER RQMT
1J	9TH ALTERNATE OPERATING POWER RQMT
1K	10TH ALTERNATE OPERATING POWER RQMT
1L	11TH ALTERNATE OPERATING POWER RQMT
1M	1ST OPERATING POWER RQMT

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APPENDIX C

1N	2ND OPERATING POWER RQMT
1P	3RD OPERATING POWER RQMT
1Q	4TH OPERATING POWER RQMT
1R	5TH OPERATING POWER RQMT
1S	6TH OPERATING POWER RQMT
1T	7TH OPERATING POWER RQMT
1U	8TH OPERATING POWER RQMT
1V	9TH OPERATING POWER RQMT
1W	10TH OPERATING POWER RQMT
1X	11TH OPERATING POWER RQMT



FIIG T104  
APPENDIX C

STANDARD FRACTION TO DECIMAL CONVERSION CHART

<u>4ths</u>	<u>8ths</u>	<u>16ths</u>	<u>32nds</u>	<u>64ths</u>	<u>To 3</u>	<u>To 4</u>	<u>4ths</u>	<u>8ths</u>	<u>16ths</u>	<u>32nds</u>	<u>64ths</u>	<u>To 3</u>	<u>To 4</u>
				1/64	.016	.0156					33/64	.516	.5156
			1/32	-----	.031	.0312				17/32	-----	.531	.5312
				3/64	.047	.0469					35/64	.547	.5469
		1/16	-----		.062	.0625			9/16	-----	-----	.562	.5625
				5/64	.078	.0781					37/64	.578	.5781
			3/32	-----	.094	.0938				19/32	-----	.594	.5938
				7/64	.109	.1094					39/64	.609	.6094
	1/8	-----	-----	-----	.125	.1250		5/8	-----	-----	-----	.625	.6250
				9/64	.141	.1406					41/64	.641	.6406
			5/32	-----	.156	.1562				21/32	-----	.656	.6562
				11/64	.172	.1719					43/64	.672	.6719
		3/16	-----	-----	.188	.1875			11/16	-----	-----	.688	.6875
				13/64	.203	.2031					45/64	.703	.7031
			7/32	-----	.219	.2188				23/32	-----	.719	.7188
				15/64	.234	.2344					47/64	.734	.7344
1/4	-----	-----	-----	-----	.250	.2500	3/4	-----	-----	-----	-----	.750	.7500
				17/64	.266	.2656					49/64	.766	.7656
			9/32	-----	.281	.2812				25/32	-----	.781	.7812
				19/64	.297	.2969					51/64	.797	.7969
		5/16	-----	-----	.312	.3125			13/16	-----	-----	.812	.8125
				21/64	.328	.3281					53/64	.828	.8281
			11/32	-----	.344	.3438				27/32	-----	.844	.8438
				23/64	.359	.3594					55/64	.859	.8594
	3/8	-----	-----	-----	.375	.3750		7/8	-----	-----	-----	.875	.8750
				25/64	.391	.3906					57/64	.891	.8906
			13/32	-----	.406	.4062				29/32	-----	.906	.9062
				27/64	.422	.4219					59/64	.922	.9219
		7/16	-----	-----	.438	.4375			15/16	-----	-----	.938	.9375
				29/64	.453	.4531					61/64	.953	.9531
			15/32	-----	.469	.4688				31/32	-----	.969	.9688
				31/64	.484	.4844					63/64	.984	.9844
					.500	.5000						1.000	1.0000

OUNCE TO DECIMAL OF A POUND CONVERSION CHART

<u>OUNCES</u>	<u>POUNDS</u>
1	0.062
2	0.125
3	0.188
4	0.250
5	0.312
6	0.375
7	0.438
8	0.500
9	0.562
10	0.625
11	0.688
12	0.750
13	0.812
14	0.875
15	0.938
16	1.000

## **FIIG Change List**

FIIG Change List, Effective August 6, 2010

This change replaced with ISAC or and/or coding.